

# Draw with code

Type-in JavaScript programs for young coders

The image displays three overlapping cards, each titled "Draw with code" and subtitled "Type-in JavaScript program for young coders". Each card shows a simple drawing and the corresponding JavaScript code used to create it. The cards are numbered 1, 2, and 3, indicating a sequence of steps.

**Card 1: Flower**

```
// Background
noStroke();
fill(188, 199, 231);
rect(0, 0, 800, 500);
fill(191, 144, 0);
rect(0, 500, 800, 600);

// Sun
fill("yellow");
circle(750, 50, 150);
stroke("yellow");
strokeWeight(6);
line(480, 60, 561, 47);
line(548, 224, 602, 172);
line(740, 304, 747, 236);

// Car
stroke("black");
strokeWeight(1);
fill(112, 173, 71);
rect(175, 340, 223, 54);
rect(188, 394, 362, 74);
fill(132, 60, 12);
circle(168, 468, 32);
circle(408, 468, 32);
```

**Card 2: Car**

```
// Background
noStroke();
fill("#d9eaf3");
rect(0, 0, 800, 300);
fill("#8fa3dc");
rect(0, 300, 800, 600);

// Mast
fill("#88420c");
rect(280, 36, 16, 321);
fill("#ff9966");
triangle(300, 36, 450, 207, 300, 264);

// Boat
fill("#7030a0");
rect(178, 357, 319, 140);
triangle(185, 357, 178, 357, 178, 497);
triangle(573, 357, 497, 497, 497, 357);

// Birds
fill("#e67d31");
triangle(529, 52, 578, 52, 553, 67);
triangle(631, 71, 677, 71, 654, 85);
triangle(723, 121, 766, 121, 743, 135);
```

**Card 3: Landscape**

```
// Background
noStroke();
fill("#d9eaf3");
rect(0, 0, 800, 300);
fill("#8fa3dc");
rect(0, 300, 800, 600);

// Mast
fill("#88420c");
rect(280, 36, 16, 321);
fill("#ff9966");
triangle(300, 36, 450, 207, 300, 264);

// Boat
fill("#7030a0");
rect(178, 357, 319, 140);
triangle(185, 357, 178, 357, 178, 497);
triangle(573, 357, 497, 497, 497, 357);

// Birds
fill("#e67d31");
triangle(529, 52, 578, 52, 553, 67);
triangle(631, 71, 677, 71, 654, 85);
triangle(723, 121, 766, 121, 743, 135);
```

Each card includes a numbered list of steps:

- 1 Open [codeguppy.com](http://codeguppy.com) code editor
- 2 Type in the program in the code editor
- 3 Run the program and observe the effect

Early Preview Edition

Great for - Hour of Code - Coding Clubs - Home Use

## ही पुस्तिका कोणी वापरावी?

ही पुस्तिका पालक, संगणक विज्ञान शिक्षक आणि कोडिंग क्लब प्रशिक्षकांसाठी कोडिंग संसाधन म्हणून अभिप्रेत आहे. पुस्तिकेत तरुण कोडरसाठी मजेदार जावा स्क्रिप्ट प्रोग्राम आहेत. मुलांना कोडिंगची ओळख करून देण्यासाठी ही पुस्तिका अत्यंत मौल्यवान संसाधन आहे. मुलांसाठी किंवा पालक / शिक्षकांसाठी कोणताही कोडिंग अनुभव आवश्यक नाही.

## ही पुस्तिका कशी वापरायची?

कृपया सर्व मुलांनी [codeguppy.com](http://codeguppy.com) वर मोफत खाती उघडली असल्याची खात्री करा मग:

- ही पुस्तिका छापा आणि छापील कोडिंग प्रोग्राम मुलांसोबत शेअर करा. प्रत्येक पृष्ठामध्ये एक पूर्ण कार्यक्रम असतो, त्यामुळे तुम्ही एका वेळी फक्त एकच पान मुलांसोबत शेअर करू शकता.
- मुलांना [codeguppy.com](http://codeguppy.com) वरून कोड एडिटरमध्ये कोडिंग प्रोग्राम टाईप करण्यास सांगा आणि नंतर ते "रन" बटणाने चालवा.
- रंग बदलून किंवा अतिरिक्त आकार जोडून कोडिंग प्रोग्राम बदल करण्यासाठी मुलांना प्रोत्साहित करा.

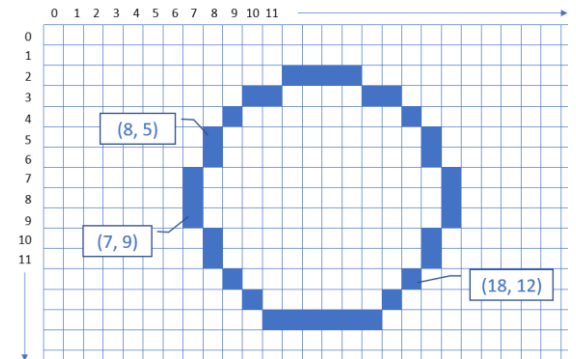
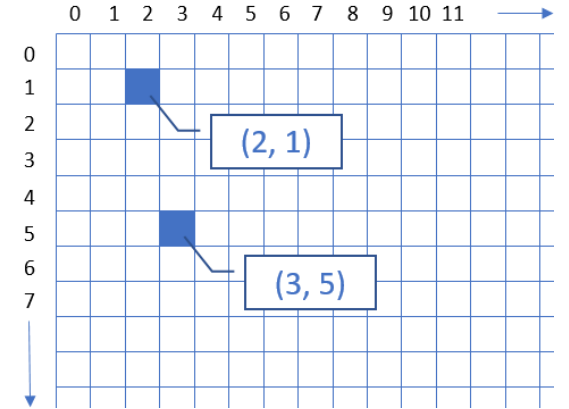
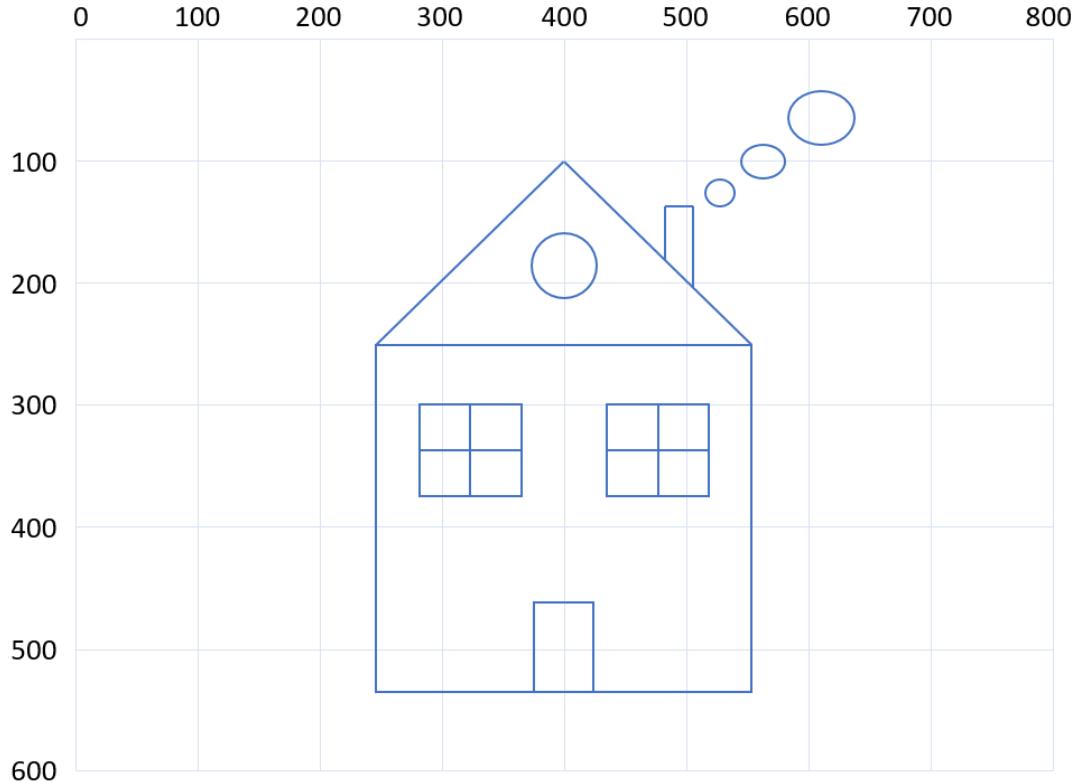
## प्रोग्राम टाइप करण्यासाठी टिपा

- कागदावरील लेखन केलेला प्रोग्राम टायपिंग करणे हा मुलांना कोडिंगबद्दल शिकवण्याचा उत्तम मार्ग आहे. टायपिंग-इन प्रोग्राममध्ये तपशीलांकडे लक्ष देणे आवश्यक असल्याने, मुले कोडिंगच्या पलीकडे उपयुक्त कौशल्ये देखील विकसित करतील.
- प्रोग्राम योग्यरित्या टाइप केले आहेत याची खात्री करण्यासाठी येथे काही टिपा आहेत:
- कृपया मुलांना प्रत्येक प्रोग्रॅम अगदी काळजीपूर्वक जसा तो कागदावर दिसतो तसा टाईप-इन करायला सांगा. त्यांना कोणतेही अक्षर, संख्या किंवा विरामचिन्हे वगळू नका असे सांगा!
- प्रोग्राममधील अक्षरांच्या केस (कॅपिटल/स्मॉल) संवेदनशील असतात. कृपया मुलांना कागदावर दिसत असलेल्या समान केस (कॅपिटल/स्मॉल) वापरून सर्व सूचना टाईप-इन करण्यास सांगा.
- चुका टाळण्यासाठी, तुम्ही कोडची वर्तमान ओळ पूर्ण झाल्यानंतरच मुलांना वेळोवेळी प्रोग्राम चालवण्याची सूचना देऊ शकता. प्रोग्राम चालवणे कोड एडिटरच्या वरच्या उजवीकडे मोठे "रन" बटण दाबण्याइतके सोपे आहे.
- जर संगणक आउटपुटमध्ये त्रुटी दाखवत असेल, तर कृपया मुलांच्या कागदावरील प्रोग्रामप्रमाणे टाइप केलेला प्रोग्राम आहे का ते तपासा.

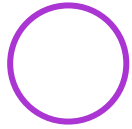
## प्रोग्राम समजून घेणे

या पुस्तिकेत समाविष्ट केलेले सर्व प्रोग्राम कॅनव्हासवर रेखाटलेले आहेत. कॅनव्हास अनेक लहान बिंदूनी बनलेले आहे जे तुम्ही काळे किंवा पांढरे करू शकता किंवा कोडद्वारे त्यांना रंग देऊ शकता. या ठिपक्यांना पिक्सेल म्हणतात.

एका अर्थाने कॅनव्हास हा आलेख पेपर (ग्रीड पेपर) सारखा असतो, प्रत्येक ग्रीड पेपर चौकोनी कॅनव्हासवर एक लहान पिक्सेल असतो. आमच्या प्रोग्राम्सद्वारे वापरलेला कॅनव्हास 800 पिक्सेल रुंद बाय 600 पिक्सेल उंच आहे.



# Graphical commands



**circle(x, y, radius)**

circle(400, 300, 100)  
circle(400, 300, 50)



**ellipse(x, y, width, height)**

ellipse(400, 300, 200, 200)  
ellipse(400, 300, 100, 50)



**line(x1, y1, x2, y2)**

line(100, 100, 700, 100)  
line(50, 550, 750, 550)



**rect(x, y, width, height)**

rect(400, 300, 300, 200)  
rect(350, 350, 300, 200)



**point(x, y)**

point(0, 0)  
point(400, 300)



**triangle(x1, y1, x2, y2, x3, y3)**

triangle(400, 200, 300, 450, 500, 450)

## Set the color for drawing

noStroke()  
stroke(color)  
strokeWeight(weight)

## Set the color for filling

background(color)  
fill(color)  
noFill()

## Specifying color

- #RRGGBB (red, green, blue components)  
- Predefined color

## Popular colors

- IndianRed, LightCoral, Salmon, DarkSalmon, LightSalmon, Crimson, Red, FireBrick, DarkRed
- Pink, LightPink, HotPink, DeepPink, MediumVioletRed, PaleVioletRed
- LightSalmon, Coral, Tomato, OrangeRed, DarkOrange, Orange
- Gold, Yellow, LightYellow, LemonChiffon, LightGoldenrodYellow, PapayaWhip, Moccasin, PeachPuff, PaleGoldenrod, Khaki, DarkKhaki
- Lavender, Thistle, Plum, Violet, Orchid, Fuchsia, Magenta, MediumOrchid, MediumPurple, RebeccaPurple, BlueViolet, DarkViolet, DarkOrchid, DarkMagenta, Purple, Indigo, Slate Blue, DarkSlateBlue, MediumSlateBlue
- GreenYellow, Chartreuse, LawnGreen, Lime, LimeGreen, PaleGreen, LightGreen, MediumSpringGreen, SpringGreen, MediumSeaGreen, SeaGreen, ForestGreen, Green, DarkGreen, YellowGreen, OliveDrab, Olive, DarkOliveGreen, MediumAquamarine, DarkSeaGreen, LightSeaGreen, DarkCyan, Teal
- Aqua, Cyan, LightCyan, PaleTurquoise, Aquamarine, Turquoise, MediumTurquoise, DarkTurquoise, CadetBlue, SteelBlue, LightSteelBlue, PowderBlue, LightBlue, SkyBlue, LightSkyBlue, DeepSkyBlue, DodgerBlue, CornflowerBlue, MediumSlateBlue, RoyalBlue, Blue, MediumBlue, DarkBlue, Navy, MidnightBlue
- Cornsilk, BlanchedAlmond, Bisque, NavajoWhite, Wheat, BurlyWood, Tan, RosyBrown, SandyBrown, Goldenrod, DarkGoldenrod, Peru, Chocolate, SaddleBrown, Sienna, Brown, Maroon
- White, Snow, HoneyDew, MintCream, Azure, AliceBlue, GhostWhite, WhiteSmoke, SeaShell, Beige, Old Lace, FloralWhite, Ivory, AntiqueWhite, Linen, LavenderBlush, MistyRose
- Gainsboro, LightGray, Silver, DarkGray, Gray, DimGray, LightSlateGray, SlateGray, DarkSlateGray, Black

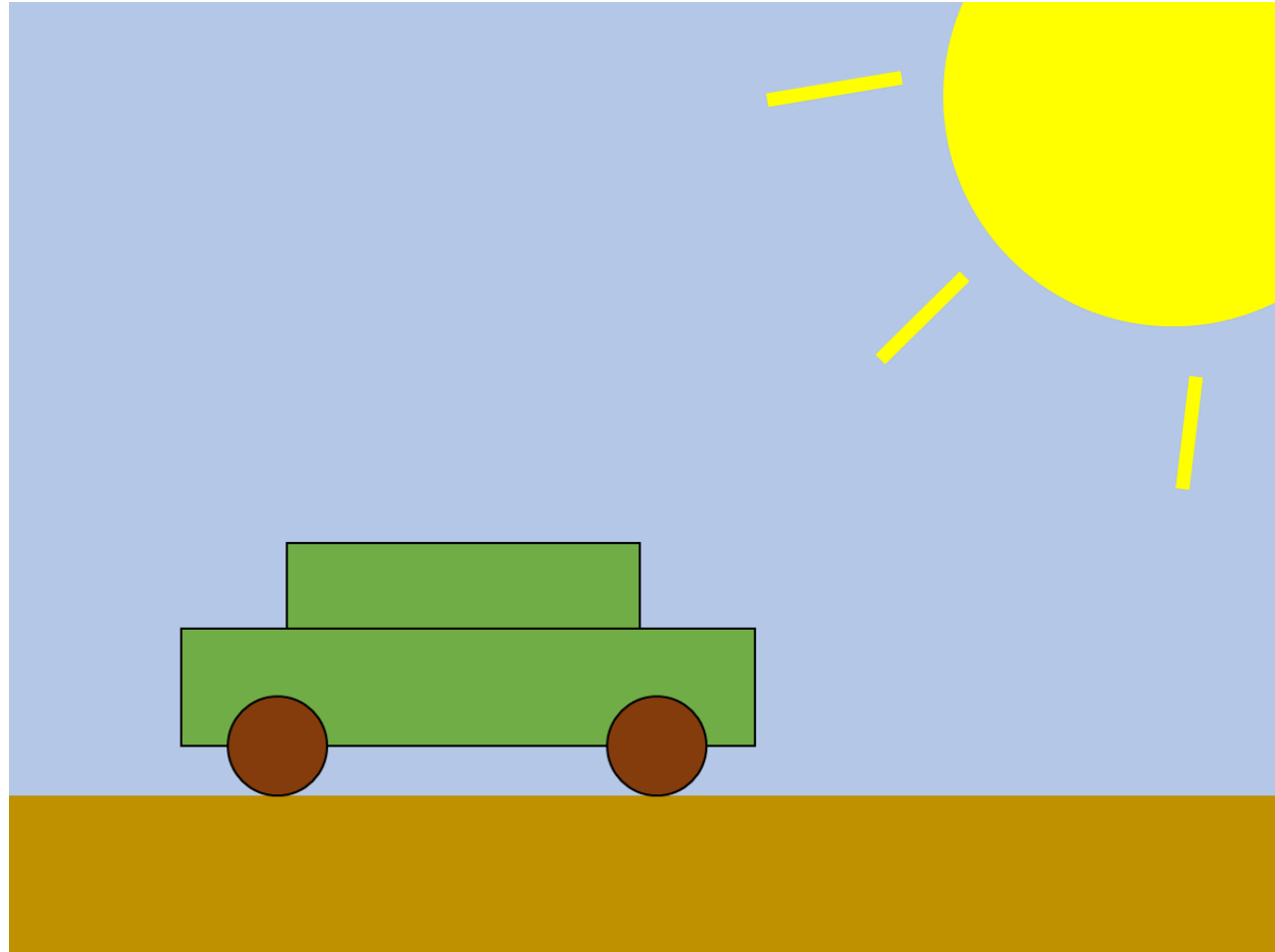
# कार

## Type-in JavaScript Program

```
// Background
noStroke();
fill(180, 199, 231);
rect(0, 0, 800, 500);
fill(191, 144, 0);
rect(0, 500, 800, 600);

// Sun
fill("yellow");
circle(750, 50, 150);
stroke("yellow");
strokeWeight(6);
line(480, 60, 561, 47);
line(548, 224, 602, 172);
line(740, 304, 747, 236);

// Car
stroke("black");
strokeWeight(1);
fill(112, 173, 71);
rect(175, 340, 223, 54);
rect(108, 394, 362, 74);
fill(132,60,12);
circle(168, 468, 32);
circle(408, 468, 32);
```



1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

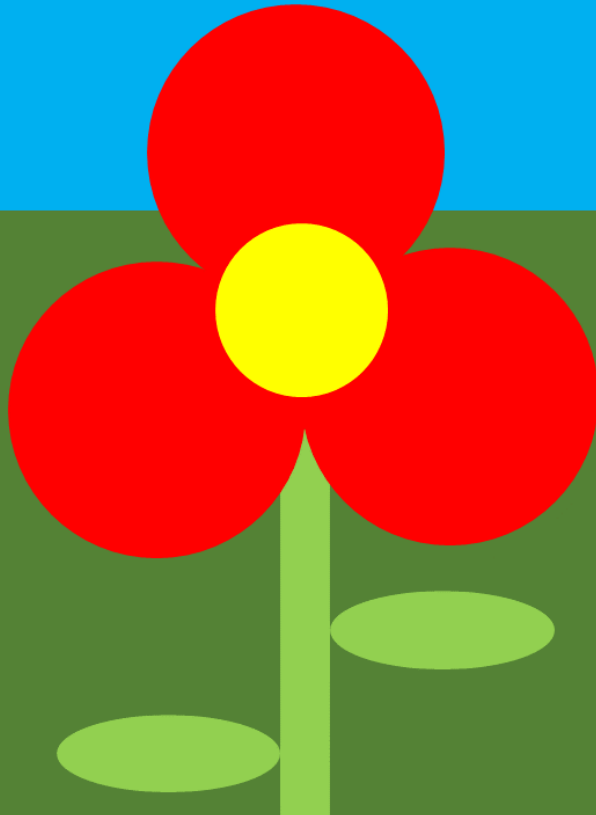
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# फूल

## Type-in JavaScript Program



```
// Background
noStroke();
fill(0, 176, 240);
rect(0, 0, 800, 200);
fill(84, 130, 53);
rect(0, 200, 800, 600);

// Stem
fill(146, 208, 80);
rect(277, 313, 30, 237);
ellipse(215, 514, 124, 46);
ellipse(374, 438, 134, 46 );

// Flower
fill("red");
circle(290, 160, 87);
circle(209, 314, 87);
circle(377, 307, 87);
fill("yellow");
circle(290, 260, 46);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

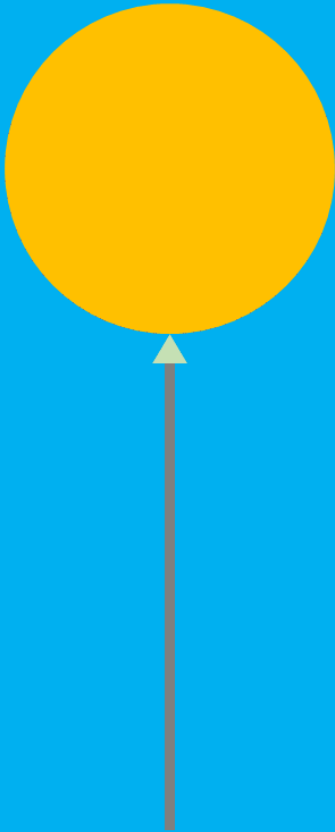
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# फुगा

## Type-in JavaScript Program



```
background("#00b0f0");  
  
// String  
stroke("#7f7f7f");  
strokeWeight(3);  
line(263, 280, 263, 548);  
  
// Balloon  
noStroke();  
fill("#ffc000");  
triangle(255, 289,  
         263, 272,  
         271, 289);  
circle(263, 172, 100);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!



# बर्फाळ माणूस / स्नोमॅन

Type-in JavaScript Program

```
background("#8faadc");

// Right hand
stroke("#843c0c");
strokeWeight(10);
line(604, 359, 495, 291);
line(604, 359, 607, 378);
line(604, 359, 627, 367);
line(604, 359, 627, 355);

// Body
stroke("#335693");
strokeWeight(1);
fill("white");
circle(400, 445, 126);
circle(400, 285, 99);
circle(400, 151, 68);

// Eyes
fill("black");
noStroke();
circle(366, 124, 10);
circle(428, 124, 10);
```

```
// Mouth
circle(362, 179, 6);
circle(379, 197, 6);
circle(403, 201, 6);
circle(428, 199, 6);

// Buttons
circle(407, 267, 10);
circle(407, 320, 10);
circle(407, 433, 10);
circle(407, 502, 10);

// Nose and hat
fill("#ffc000");
triangle(397, 161, 401, 176, 483, 146);
fill("#c55a11");
triangle(321, 125, 353, 39, 434, 73);

// Left hand
stroke("#843c0c");
strokeWeight(10);
line(225, 168, 323, 265);
line(225, 168, 196, 171);
line(225, 168, 201, 157);
line(225, 168, 216, 135);
```



1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# घर

## Type-in JavaScript Program



```
// Background
noStroke();
fill("#00b0f0");
rect(0, 0, 800, 400);
fill("#548235");
rect(0, 400, 800, 600);

fill("#ffc740");
rect(109, 254, 325, 274);

// Left window
stroke("#c55a11");
strokeWeight(3);
fill("#dae3f3");
square(147, 302, 56);
line(175, 302, 175, 358);
line(147, 330, 203, 330);

// Right window
square(347, 302, 56);
line(375, 302, 375, 358);
line(347, 330, 403, 330);
```

```
// Door
strokeWeight(1);
fill("#ed7d31");
rect(229, 417, 90, 110);
fill("#bfbfbf");
circle(305, 471, 8);

// Horn
noStroke();
fill("#843c0c");
rect(174, 117, 24, 80);

// Roof
fill("#ed7d31");
triangle(109, 254, 272, 75, 434, 254);

// Sun
fill("yellow");
circle(750, 50, 150);
stroke("yellow");
strokeWeight(6);
line(480, 60, 561, 47);
line(548, 224, 602, 172);
line(740, 304, 747, 236);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# घर २

## Type-in JavaScript Program



```
// Background
noStroke();
fill("#8faadc");
rect(0, 0, 800, 300);
fill("#548235");
rect(0, 300, 800, 600);

// Tree
fill("#843c0c");
rect(104, 240, 28, 190);
fill("#548235");
ellipse(119, 139, 172, 229);
```

```
// House
fill("#ffc000");
rect(272, 260, 380, 227);

// Roof
fill("#843c0c");
triangle(252, 260, 460, 110, 670, 260);

// Left window
stroke("#c55a11");
strokeWeight(3);
fill("#dae3f3");
square(295, 287, 96);
line(343, 287, 343, 383);
line(295, 335, 391, 335);

// Right window
square(535, 287, 96);
line(583, 287, 583, 383);
line(535, 335, 631, 335);
```

```
// Door
fill("#c55a11");
rect(415, 330, 95, 155);

// Sun
fill("#ffc000");
stroke("#ffc000");
circle(700, 100, 32);
line(631, 100, 658, 100);
line(659, 43, 673, 59);
line(729, 61, 743, 42);
line(750, 106, 770, 106);
line(729, 141, 742, 155);
line(674, 139, 660, 155);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

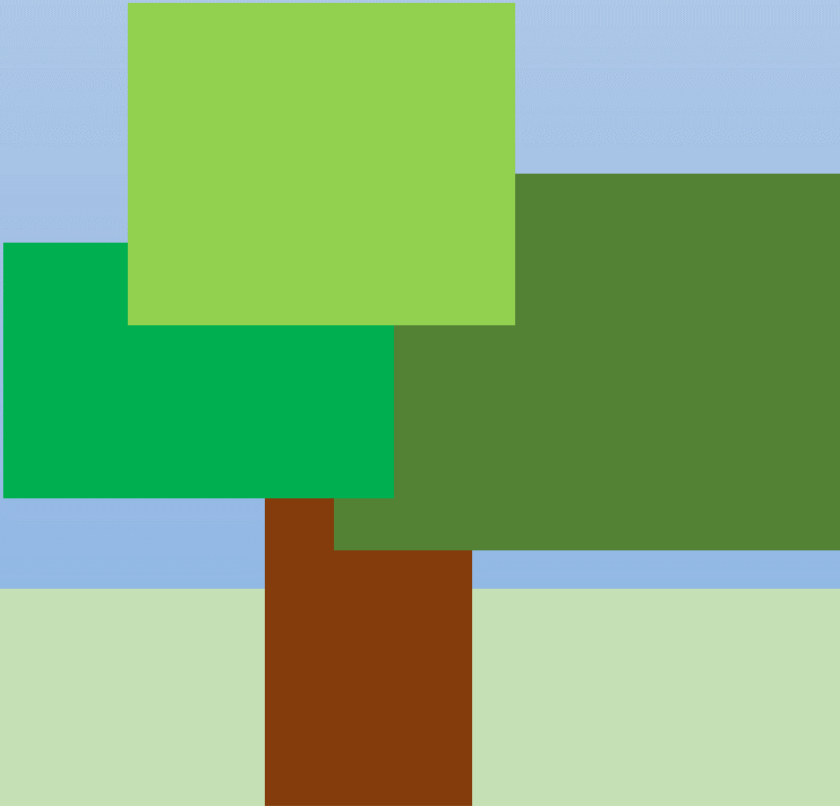
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# चौकोनी झाड

Type-in JavaScript Program



```
noStroke();

// Background
fill("#aac6e7");
rect(0, 0, 800, 400);
fill("#c5e0b4");
rect(0, 400, 800, 600);

// Trunk
fill("#843c0c");
rect(212, 330, 120, 190);

// Leaves
fill("#548235");
rect(255, 158, 300, 220);
fill("#00b050");
rect(57, 197, 230, 150);
fill("#92d050");
rect(130, 55, 230, 190);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

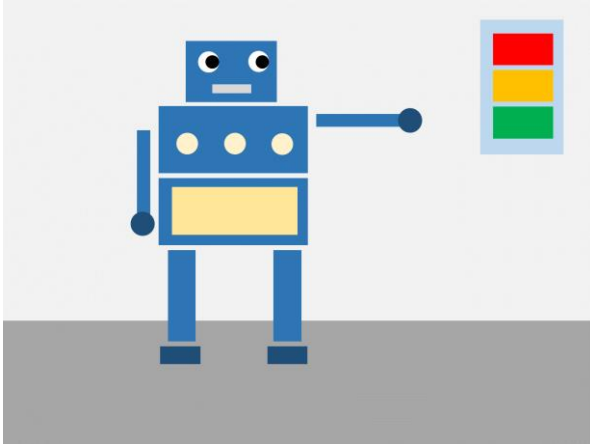
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# रोबोट

## Type-in JavaScript Program



```
noStroke();

// Background
fill("#efefef");
rect(0, 0, 800, 430);
fill("#a7a7a7");
rect(0, 430, 800, 600);

// Head and body
fill("#2e75b6");
rect(249, 54, 122, 83);
rect(211, 142, 200, 90);
rect(211, 240, 200, 90);
```

```
// Legs
rect(224, 338, 36, 124);
rect(368, 338, 36, 124);

// Arms
rect(182, 176, 16, 118);
rect(426, 155, 118, 16);

// Feet and hands
fill("#1f4e79");
rect(214, 468, 55, 25);
rect(359, 468, 55, 25);
circle(190, 300, 15);
circle(553, 162, 15);

// Eyes
fill("white");
circle(278, 83, 14);
circle(347, 83, 14);
fill("black");
circle(283, 83, 9);
circle(352, 83, 9);
```

```
// Mouth
fill("#d8d8d8");
rect(285, 113, 53, 13);

// Decorations
fill("#fff2cc");
circle(250, 195, 12);
circle(315, 195, 12);
circle(380, 195, 12);
fill("#ffe699");
rect(230, 250, 165, 65);

// Lights
fill("#bdd7ee");
rect(638, 28, 104, 175);
fill("red");
rect(650, 45, 80, 42);
fill("#ffc000");
rect(650, 95, 80, 42);
fill("#00b050");
rect(650, 145, 80, 42);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

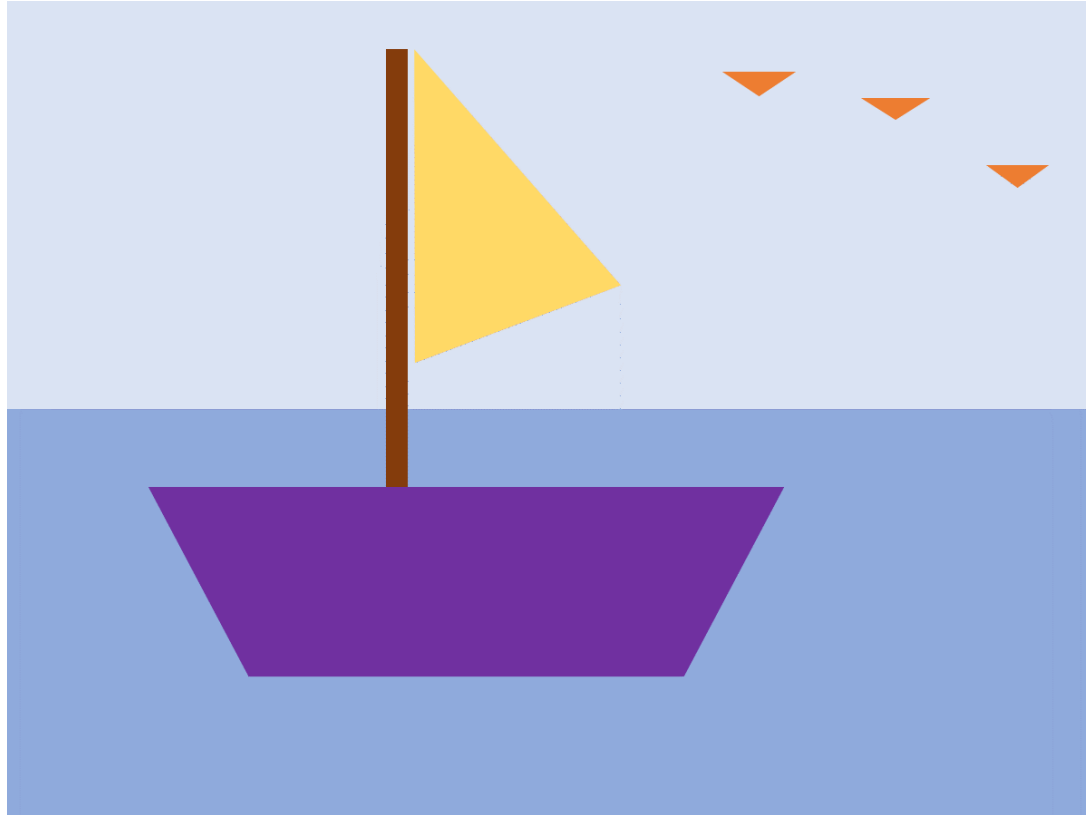
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# होडी

## Type-in JavaScript Program



```
noStroke();

// Background
fill("#dae3f3");
rect(0, 0, 800, 300);
fill("#8faadc");
rect(0, 300, 800, 600)

// Mast
fill("#843c0c");
rect(280, 36, 16, 321);
fill("#ffd966");
triangle(300, 36, 450, 207, 300, 264);

// Boat
fill("#7030a0");
rect(178, 357, 319, 140);
triangle(105, 357, 178, 357, 178, 497);
triangle(573, 357, 497, 497, 497, 357);

// Birds
fill("#ed7d31");
triangle(529, 52, 578, 52, 553, 67);
triangle(631, 71, 677, 71, 654, 85);
triangle(722, 121, 766, 121, 743, 135);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# स्मायली

## Type-in JavaScript Program



```
noStroke();  
background("#548235");  
  
fill("#ffc000");  
circle(400, 300, 200);  
  
fill("black");  
circle(314, 206, 25);  
circle(504, 206, 25);  
  
fill("#c00000");  
arc(400, 340, 238, 196, 0, 180);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

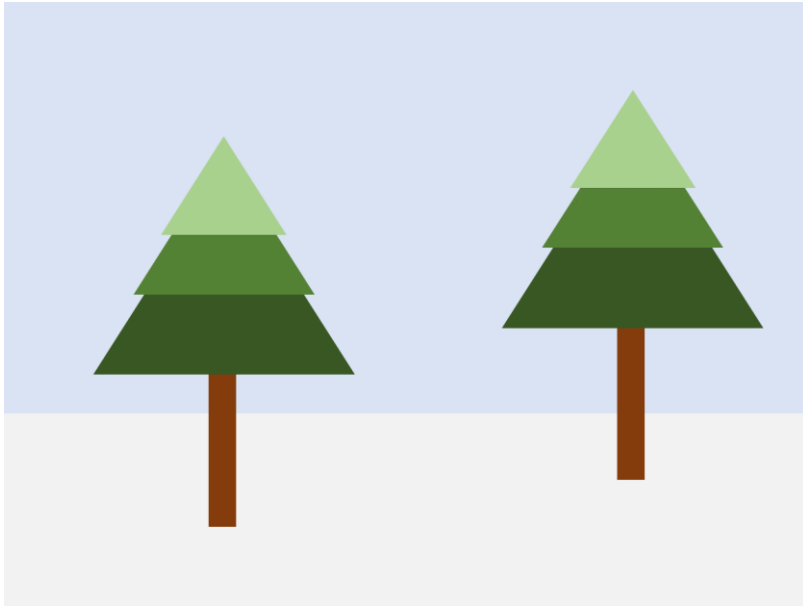
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# पाईन वृक्ष

## Type-in JavaScript Program



```
noStroke();

// Background
fill("#dae3f3");
rect(0, 0, 800, 400);
fill("#f2f2f2");
rect(0, 400, 800, 200);

// First tree
fill("#843c0c");
rect(205, 368, 26, 151);
fill("#385723");
triangle(220, 165, 90, 370, 350, 370);
fill("#538234");
triangle(220, 149, 130, 290, 309, 290);
fill("#a9d18e");
triangle(220, 134, 158, 230, 281, 230);

// Second tree
fill("#843c0c");
rect(205+405, 368-45, 26, 151);
fill("#385723");
triangle(220+405, 165-45, 90+405, 370-45, 350+405, 370-45);
fill("#538234");
triangle(220+405, 149-45, 130+405, 290-45, 309+405, 290-45);
fill("#a9d18e");
triangle(220+405, 134-45, 158+405, 230-45, 281+405, 230-45);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!



# मशरूम

## Type-in JavaScript Program



```
noStroke();

// Background
fill("#a9d18e");
rect(0, 0, 800, 400);
fill("#843c0c");
rect(0, 400, 800, 200);

// Mushroom
fill("#ffc000");
rect(328, 314, 72, 212);
fill("#c00000");
arc(365, 314, 386, 396, 180, 360);
fill("white");
circle(245, 271, 20);
circle(285, 195, 18);
circle(341, 167, 12);
circle(423, 171, 14);
circle(491, 233, 14);
circle(335, 249, 13);
circle(393, 220, 22);
circle(443, 279, 23);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

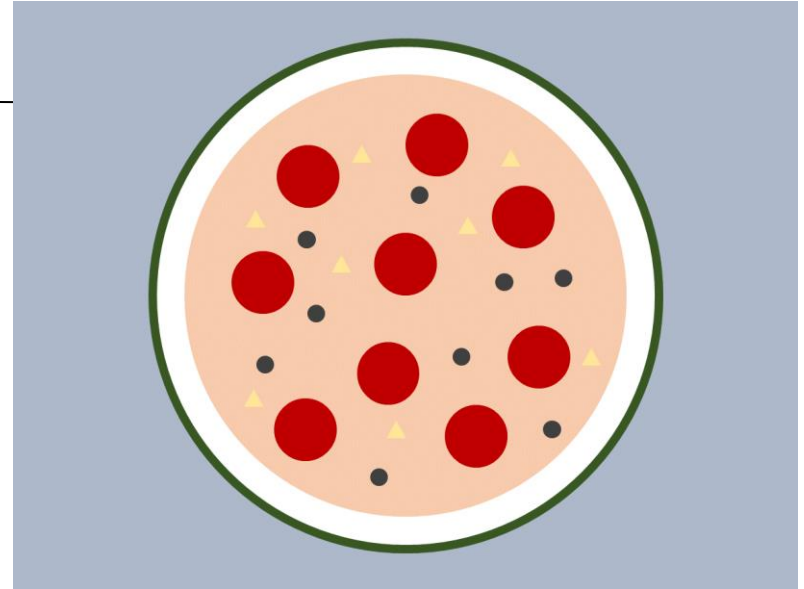
Press "Run"  
and enjoy!

# पिझा

## Type-in JavaScript Program

```
noStroke();  
background("#adb9ca");  
  
// Plate and pizza  
fill("#385723");  
circle(400, 300, 260);  
fill("white");  
circle(400, 300, 254);  
fill("#f7c9ab");  
circle(400, 300, 225);  
  
// Pepperoni  
fill("#c00000");  
circle(300, 180, 30);  
circle(433, 150, 30);  
circle(521, 221, 30);  
circle(536, 365, 30);  
circle(469, 445, 30);  
circle(296, 439, 30);  
circle(256, 289, 30);  
circle(399, 268, 30);  
circle(385, 381, 30);
```

```
// Olives  
fill("#404040");  
circle(257, 370, 9);  
circle(309, 319, 9);  
circle(300, 243, 9);  
circle(415, 196, 9);  
circle(501, 286, 9);  
circle(563, 282, 9);  
circle(457, 362, 9);  
circle(373, 485, 9);  
circle(257, 370, 9);  
circle(550, 435, 9);  
  
// Pineapple  
fill("#ffe699");  
triangle(249, 212, 239, 229, 259, 229);  
triangle(357, 144, 347, 161, 367, 161);  
triangle(508, 150, 498, 167, 518, 167);  
triangle(337, 258, 327, 275, 347, 275);  
triangle(465, 219, 455, 236, 475, 236);  
triangle(391, 427, 381, 444, 401, 444);  
triangle(590, 353, 580, 370, 600, 370);  
triangle(438, 481, 428, 498, 448, 498);  
triangle(246, 395, 236, 412, 256, 412);
```



1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# उंदीर

## Type-in JavaScript Program



```
background("#a6cf87");
noStroke();

// Head and ears
fill("#c55a11");
triangle(242, 192, 556, 192, 400, 500);
circle(272, 171, 85);
circle(542, 171, 85);
fill("#242424");
triangle(347, 395, 453, 395, 400, 500);

// Eyes
fill("white");
circle(344, 260, 25);
circle(455, 260, 25);
fill("black");
circle(355, 268, 8);
circle(448, 268, 8);

// Whiskers
stroke("#242424");
strokeWeight(3);
line(282, 403, 345, 427);
line(287, 485, 345, 462);
line(450, 427, 502, 416);
line(442, 455, 504, 486);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# ट्रेन

## Type-in JavaScript Program

```
// Background
noStroke();
fill("#8faadc");
rect(0, 0, 800, 340);
fill("#a9d18e");
rect(0, 340, 800, 260);

// Main part
fill("#c55a11");
triangle(127, 428, 252, 428, 252, 300);
rect(502, 215, 175, 213);
rect(283, 258, 14, 42);
fill("#ffc000");
rect(252, 300, 250, 128);

// Windows
fill("#f8cbad");
rect(523, 236, 55, 58);
rect(584, 236, 74, 58);
rect(523, 300, 135, 96);
```



```
// Wheels
fill("#262626");
circle(260, 454, 38);
circle(598, 454, 38);
fill("#d9d9d9");
circle(260, 454, 19);
circle(598, 454, 19);
fill("#262626");
rect(249, 443, 344, 10);

// Road and smoke
fill("#3b3838");
rect(0, 492, 800, 28);
fill("#f2f2f2");
ellipse(316, 209, 29, 20);
ellipse(377, 166, 46, 32);
ellipse(442, 114, 68, 47);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com) and click "Code Now" button

2

Type-in the above program in the Code Editor

3

Press "Run" and enjoy!

# शहर

## Type-in JavaScript Program

```
// Background
noStroke();
fill("#b4c7e7");
rect(0, 0, 800, 400);
fill("#548235");
rect(0, 400, 800, 100);
fill("#a5a5a5");
rect(0, 500, 800, 100);
```

```
// Building 1
stroke(1);
fill("#e254d4");
rect(67, 272, 197, 228);
fill("#21e7cf");
rect(84, 292, 48, 36);
rect(143, 292, 48, 36);
rect(201, 292, 48, 36);
rect(84, 347, 48, 36);
rect(143, 347, 48, 36);
rect(201, 347, 48, 36);
fill("#934bc9");
rect(132, 425, 27, 75);
rect(159, 425, 27, 75);
rect(186, 425, 27, 75);
```



```
// Building 2
fill("#bf9000");
rect(264, 187, 106, 313);
fill("#21e7cf");
circle(320, 248, 23);
square(292, 287, 13);
square(314, 287, 13);
square(337, 287, 13);
square(292, 314, 13);
square(314, 314, 13);
square(337, 314, 13);
square(292, 339, 13);
square(314, 339, 13);
square(337, 339, 13);
fill("#c55a11");
arc(320, 464, 45, 35, 180, 360);
rect(297, 464, 45, 36);
```

```
// Building 3
fill("#934bc9");
rect(370, 322, 80, 178);
fill("#21e7cf");
rect(379, 333, 63, 12);
rect(379, 354, 63, 12);
rect(379, 376, 63, 12);
fill("#4472c4");
rect(388, 465, 46, 35);
```

```
// Building 4
fill("#d44316");
rect(450, 142, 150, 358);
fill("#21e7cf");
rect(474, 171, 24, 160);
rect(521, 171, 24, 160);
rect(562, 171, 24, 160);
fill("#4472c4");
rect(495, 434, 37, 66);
rect(532, 434, 37, 66);
```

```
// Tree
noStroke();
fill("#843c0c");
rect(705, 370, 10, 50);
fill("#385723");
triangle(709, 291, 679, 370, 738, 370);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# मांजर

## Type-in JavaScript Program



```
// Background
noStroke();
fill("#4472c4");
rect(0, 0, 800, 500);
fill("#7030a0");
rect(0, 500, 800, 1000);

// Ears and body
fill("#f4b183");
triangle(318, 99, 318, 175, 359, 121);
triangle(483, 99, 483, 184, 435, 121);
circle(397, 415, 120);

// Head and feet
fill("#f8cbad");
triangle(397, 69, 138, 410, 655, 410);
circle(332, 525, 25);
circle(468, 525, 25);

// Eyes
fill("#44546a");
ellipse(339, 215, 29, 40);
ellipse(461, 215, 29, 40);

// Nose
fill("#7f7f7f");
triangle(360, 270, 440, 270, 402, 339);
noFill();
stroke("#7f7f7f");
arc(447, 338, 90, 68, 45, 180);
arc(357, 338, 90, 68, 0, 135);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

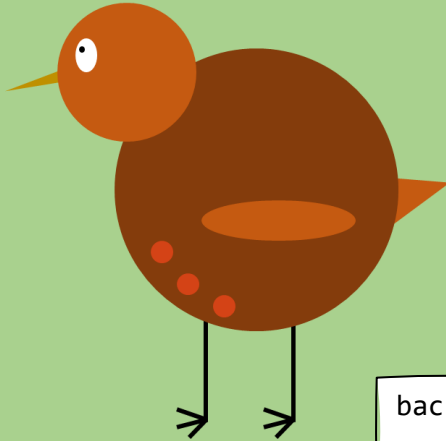
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# पक्षी

## Type-in JavaScript Program



```
background("#a9d18e");

// Legs
strokeWeight(4);
stroke("Black");
line(380, 407, 380, 500);
line(380, 500, 355, 493);
line(380, 500, 354, 508);
line(380, 500, 365, 518);
line(460, 412, 460, 500);
line(460, 500, 434, 492);
line(460, 500, 434, 509);
line(460, 500, 445, 517);
```

```
// Tail and body
noStroke();
fill("#c55a11");
triangle(554, 280, 603, 284, 551, 323);
fill("#843c0c");
circle(426, 291, 130);
fill("#c55a11");
ellipse(447, 318, 142, 39);
fill("#d44316");
circle(339, 348, 10);
circle(364, 377, 10);
circle(397, 398, 10);

// Head
fill("#bf9000");
triangle(196, 199, 245, 180, 246, 190);
fill("#c55a11");
circle(308, 181, 64);
fill("White");
ellipse(270, 167, 20, 31);
fill("Black");
circle(267, 162, 4);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# बंगलो

## Type-in JavaScript Program



```
// Background
noStroke();
background("#bdd7ee");
fill("#548235");
rect(0, 500, 800, 100);
```

```
// Sun
fill("#ffd966");
circle(77, 67, 46);
triangle(67, 130, 82, 129, 81, 185);
triangle(127, 109, 136, 97, 176, 136);
triangle(145, 53, 143, 37, 200, 35);
```

```
// House
fill("#ffc000");
rect(150, 397, 554, 103);
fill("#d44316");
rect(150, 252, 554, 145);
fill("#ed7d31");
triangle(134, 252, 428, 153, 720, 252);
fill("#934bc9");
triangle(506, 252, 612, 130, 720, 252);

// Porch
fill("#00b0f0");
rect(357, 397, 15, 113);
rect(481, 397, 15, 113);
rect(405, 438, 48, 62);
fill("#0070c0");
triangle(335, 397, 427, 316, 520, 397);

// Windows
fill("#c5e0b4");
rect(200, 423, 87, 50);
rect(581, 423, 87, 50);
fill("#f8cbad");
rect(218, 282, 50, 86);
rect(601, 282, 50, 86);
rect(403, 277, 47, 27);
fill("#e254d4");
circle(614, 206, 23);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

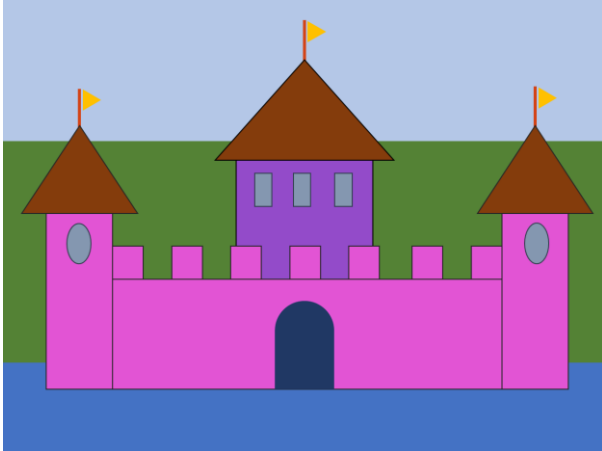
3

Press "Run"  
and enjoy!



# किल्ला

## Type-in JavaScript Program



```
// Background
noStroke();
fill("#b4c7e7");
rect(0, 0, 800, 187);
fill("#548235");
rect(0, 187, 800, 296);
fill("#4472c4");
rect(0, 483, 800, 117);

// Castle walls
stroke("black");
fill("#e254d4");
rect(57, 284, 88, 233);
rect(145, 371, 517, 146);
rect(662, 284, 88, 233);
fill("#934bc9");
rect(310, 214, 182, 157);
fill("#e254d4");
rect(145, 328, 39, 43);
rect(224, 328, 39, 43);
rect(303, 328, 39, 43);
rect(381, 328, 39, 43);
rect(459, 328, 39, 43);
rect(543, 328, 39, 43);
rect(623, 328, 39, 43);
```

```
// Windows
fill("#8497b0");
ellipse(101, 325, 32, 55);
ellipse(709, 325, 32, 55);
rect(335, 230, 22, 43);
rect(386, 230, 22, 43);
rect(440, 230, 22, 43);

// Roof
fill("#843c0c");
triangle(25, 284, 101, 167, 179, 284);
triangle(281, 215, 401, 81, 519, 215);
triangle(630, 285, 706, 167, 783, 285);

// Flags
strokeWeight(4);
stroke("#d44316");
line(101, 119, 101, 167);
line(401, 27, 401, 81);
line(706, 115, 706, 167);
noStroke();
fill("#ffc000");
triangle(107, 146, 107, 119, 130, 132);
triangle(405, 56, 405, 27, 427, 43);
triangle(711, 142, 711, 115, 743, 131);

// Door
fill("#203864");
rect(362, 433, 78, 84);
arc(401, 433, 78, 65, 180, 360);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# अस्वल

## Type-in JavaScript Program



```
background("#b4c7e7");

// Head and ears
noStroke();
fill("#843c0c");
circle(281, 137, 56);
circle(527, 137, 56);
fill("#c55a11");
circle(406, 300, 162);

// Eyes
fill("white");
circle(346, 224, 31);
circle(485, 224, 31);
fill("black");
circle(358, 240, 11);
circle(473, 240, 11);

// Nose and mouth
fill("#843c0c");
circle(406, 395, 68);
fill("#bcb9b6");
rect(406, 369, 3, 94);
fill("black");
circle(406, 349, 22);

// Garment
fill("#548235");
triangle(257, 509, 257, 420, 403, 465);
triangle(561, 508, 561, 422, 413, 465);
fill("#21e7cf");
circle(407, 465, 8);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

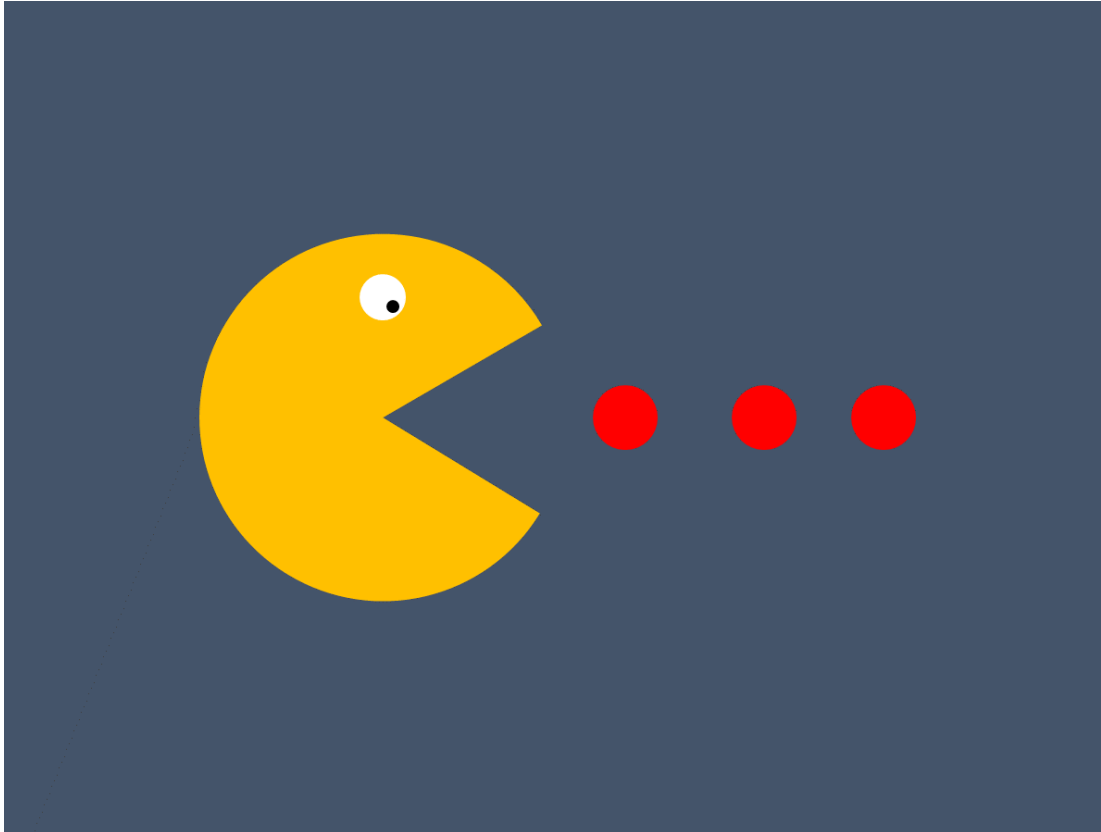
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# पॅक मॅन

## Type-in JavaScript Program



```
background("#44546a");  
noStroke();  
  
// Pacman  
fill("#ffc000");  
arc(270, 300, 264, 264, 30, 330);  
  
// Eye  
fill("white");  
circle(272, 213, 16);  
fill("black");  
circle(280, 219, 5);  
  
// Food  
fill("red");  
circle(448, 300, 24);  
circle(548, 300, 24);  
circle(648, 300, 24);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

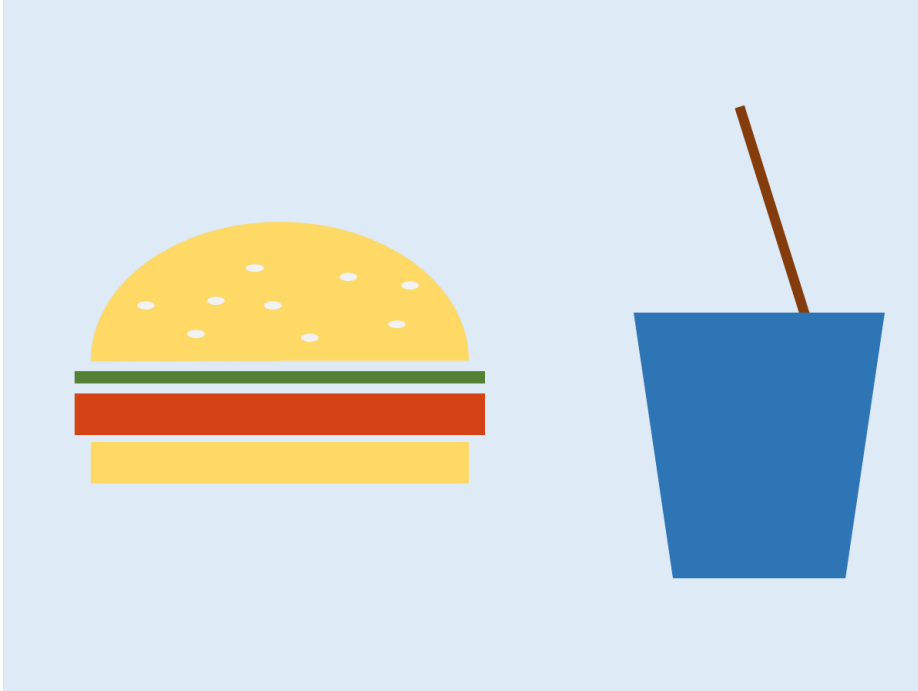
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# फास्ट फूड

## Type-in JavaScript Program



```
background("#deebf7");  
noStroke();
```

```
// Bun  
fill("#ffd966");  
arc(245, 311, 327, 238, 180, 360);  
rect(80, 380, 325, 33);
```

```
// Salad and meat  
fill("#548235");  
rect(63, 320, 355, 9);  
fill("#d44316");  
rect(63, 340, 355, 35);
```

```
// Seeds  
fill("white");  
ellipse(124, 263, 15, 7);  
ellipse(167, 288, 15, 7);  
ellipse(185, 259, 15, 7);  
ellipse(218, 231, 15, 7);  
ellipse(234, 263, 15, 7);  
ellipse(266, 291, 15, 7);  
ellipse(299, 238, 15, 7);  
ellipse(340, 279, 15, 7);  
ellipse(353, 245, 15, 7);  
  
// Drink  
strokeWeight(4);  
stroke("#843c0c");  
line(638, 93, 695, 274);  
noStroke();  
fill("#2e75b6");  
rect(571, 269, 148, 230);  
triangle(538, 269, 571, 269, 571, 499);  
triangle(719, 269, 719, 499, 752, 269);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# कुत्रा

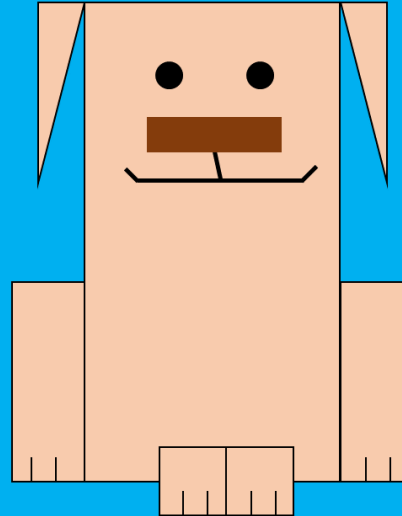
## Type-in JavaScript Program

```
background("#00b0f0");

// Head, body and ears
fill("#f8cbad");
rect(315, 95, 200, 380);
triangle(279, 95, 315, 95, 279, 240);
triangle(515, 95, 551, 95, 551, 240);

// Back legs
rect(257, 315, 58, 160);
line(274, 454, 274, 475);
line(293, 454, 293, 475);
rect(515, 315, 58, 160);
line(538, 454, 538, 475);
line(557, 454, 557, 475);

// Front legs
rect(375, 445, 52, 55);
line(393, 481, 393, 499);
line(412, 481, 412, 499);
rect(375 + 52, 445, 52, 55);
line(393 + 52, 481, 393 + 52, 499);
line(412 + 52, 481, 412 + 52, 499);
```



```
// Mouth, nose, eyes
strokeWeight(3);
line(347, 226, 356, 235);
line(356, 235, 487, 235);
line(487, 235, 498, 224);
line(423, 235, 417, 211);
noStroke();
fill("#843c0c");
rect(364, 185, 106, 27);
fill("black");
circle(382, 152, 11);
circle(454, 152, 11);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

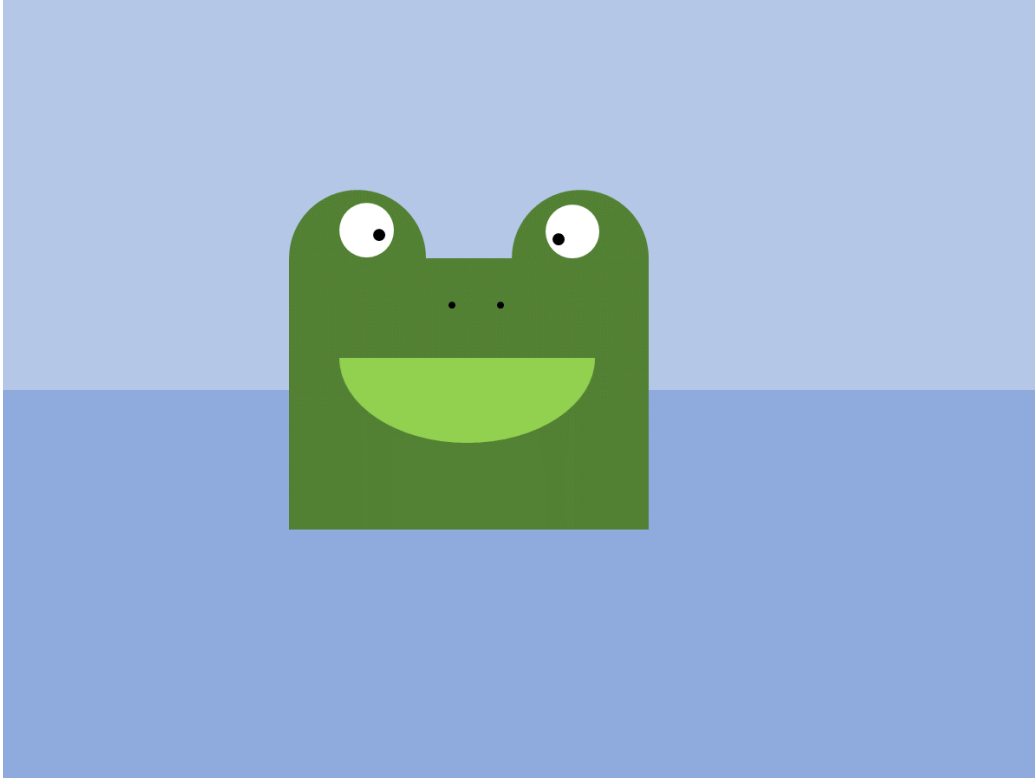
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# बेडुक

## Type-in JavaScript Program



```
// Background
noStroke();
fill("#b4c7e7");
rect(0, 0, 800, 300);
fill("#8faadc");
rect(0, 300, 800, 600);

// Body and eyes
fill("#548235");
rect(220, 200, 276, 206);
arc(274, 200, 108, 108, 180, 360);
arc(442, 200, 108, 108, 180, 360);
fill("white");
circle(279, 176, 21);
circle(437, 176, 21);
fill("black");
circle(289, 180, 6);
circle(428, 183, 6);

// Nose and mouth
circle(345, 233, 3);
circle(382, 233, 3);
fill("#92d050");
arc(358, 274, 197, 134, 0, 180);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com) and click "Code Now" button

2

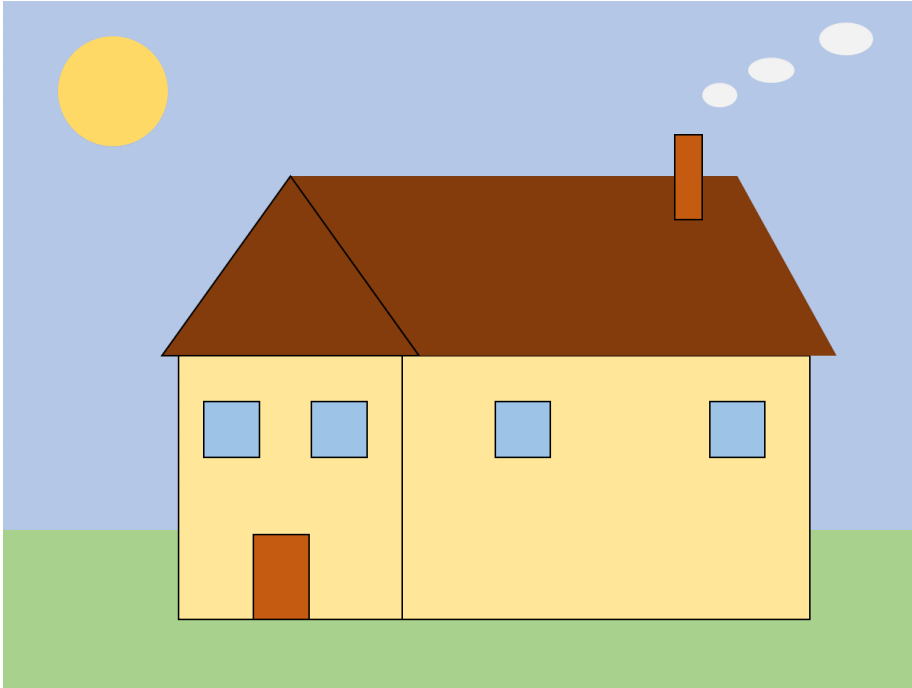
Type-in the above program in the Code Editor

3

Press "Run" and enjoy!

# घर ३

## Type-in JavaScript Program



```
// Background and sun
noStroke();
fill("#b4c7e7");
rect(0, 0, 800, 460);
fill("#a9d18e");
rect(0, 460, 800, 140);
fill("#ffd966");
circle(98, 82, 48);
```

```
// Walls
stroke("black");
fill("#ffe699");
rect(153, 309, 195, 232);
rect(348, 309, 355, 232);
```

```
// Door and windows
fill("#c55a11");
rect(219, 464, 51, 77);
fill("#9dc3e6");
square(175, 348, 48);
square(270, 348, 48);
square(430, 348, 48);
square(617, 348, 48);

// Roof
fill("#843c0c");
noStroke();
rect(251, 152, 389, 157);
triangle(640, 152, 640, 309, 728, 309);
stroke("black");
triangle(251, 152, 139, 309, 363, 309);

// Horn and smoke
fill("#c55a11");
rect(587, 116, 24, 75);
fill("#f2f2f2");
noStroke();
ellipse(624, 80, 30, 21);
ellipse(671, 60, 40, 21);
ellipse(736, 32, 48, 28);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

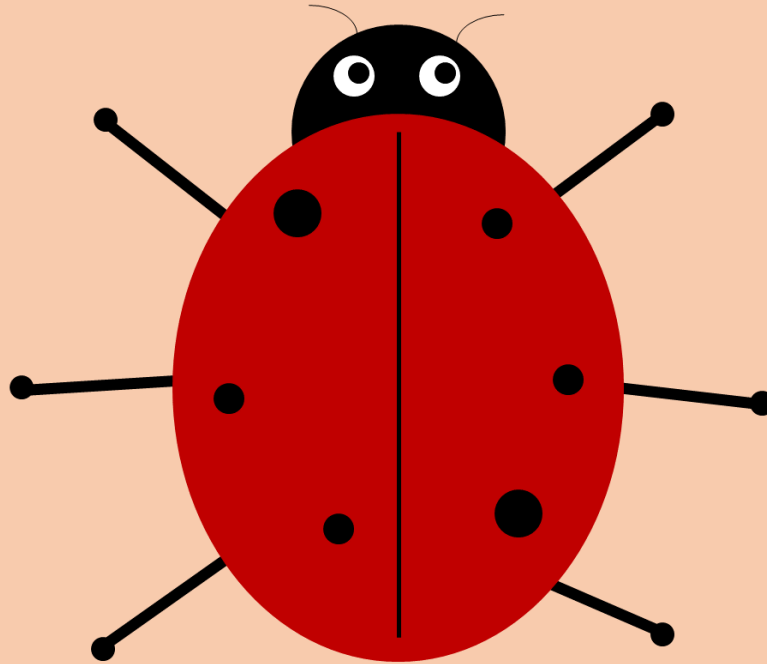
# लेडीबग

## Type-in JavaScript Program

```
background("#f8cbad");

// Legs
strokeWeight(8);
fill("black");
line(203, 138, 299, 214);
circle(203, 138, 9);
line(139, 347, 259, 339);
circle(139, 347, 9);
line(199, 547, 302, 474);
circle(199, 547, 9);
line(634, 132, 548, 198);
circle(634, 132, 9);
line(711, 357, 601, 344);
circle(711, 357, 9);
line(634, 535, 548, 495);
circle(634, 535, 9);

// Head
noStroke();
circle(431, 146, 83);
fill("white");
circle(395, 102, 16);
circle(462, 102, 16);
fill("black");
circle(399, 100, 9);
circle(466, 100, 9);
```



```
// Antenas
stroke("black");
strokeWeight(1);
noFill();
arc(514, 77, 76, 44, 180, 270);
arc(360, 77, 76, 44, 270, 360);

// Body
fill("#c00000");
noStroke();
ellipse(431, 350, 351, 426);
strokeWeight(3);
stroke("black");
line(431, 157, 431, 537);
fill("black");
circle(351, 208, 19);
circle(297, 352, 11);
circle(383, 452, 13);
circle(505, 217, 14);
circle(562, 338, 11);
circle(522, 442, 19);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!



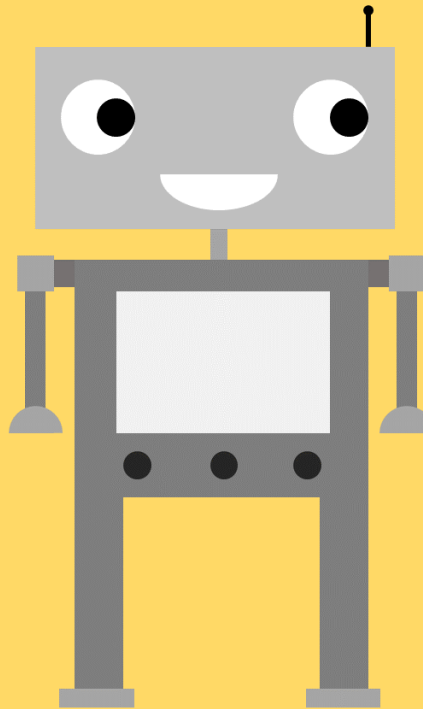
# रोबोट २

## Type-in JavaScript Program

```
background("#ffd966");
noStroke();

// Head
fill("#bfbfbf");
rect(264, 63, 281, 141);
fill("white");
arc(404, 163, 91, 56, 0, 180);
circle(311, 117, 30);
circle(494, 117, 30);
fill("black");
circle(327, 117, 15);
circle(509, 117, 15);
rect(522, 38, 4, 25);
circle(524, 34, 8);
fill("#a5a5a5");
rect(401, 204, 13, 25);

// Body
fill("#808080");
rect(295, 229, 228, 185);
fill("#f2f2f2");
rect(327, 253, 167, 111);
fill("black");
circle(344, 389, 11);
circle(411, 389, 11);
circle(476, 389, 11);
```



```
// Legs
fill("#808080");
rect(295, 414, 37, 148);
rect(486, 414, 37, 148);
fill("#a4a4a4");
rect(283, 562, 57, 14);
rect(476, 562, 57, 14);

// Arms
fill("#767171");
rect(279, 229, 16, 20);
rect(523, 229, 16, 20);
fill("#7f7f7f");
rect(256, 253, 16, 93);
rect(546, 253, 16, 93);
fill("#a5a5a5");
rect(251, 225, 28, 28);
rect(539, 225, 28, 28);
arc(263, 364, 41, 42, 180, 360);
arc(554, 364, 41, 42, 180, 360);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

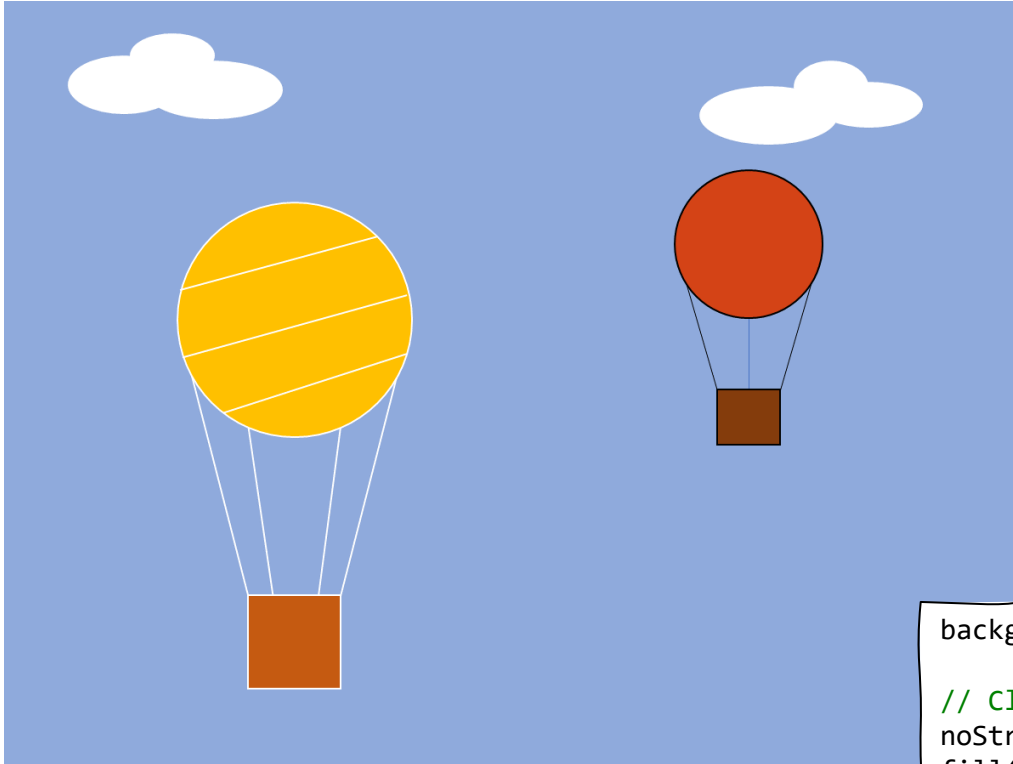
Type-in the above program  
in the Code Editor

3

Press "Run"  
and enjoy!

# हॉट एअर बलून

Type-in JavaScript Program



```
background("#8faadc");
```

```
// Clouds  
noStroke();  
fill("white");  
ellipse(94, 66, 80, 48);  
ellipse(132, 42, 67, 34);  
ellipse(169, 71, 110, 45);  
ellipse(600, 89, 109, 47);  
ellipse(650, 67, 60, 46);  
ellipse(679, 80, 85, 36);
```

```
// Yellow balloon  
strokeWeight(1);  
stroke("white");  
fill("#ffc000");  
circle(227, 251, 93);  
line(140, 225, 291, 184);  
line(141, 287, 316, 229);  
line(172, 324, 315, 276);  
line(145, 296, 191, 465);  
line(192, 337, 211, 465);  
line(263, 337, 247, 465);  
line(309, 295, 263, 465);  
fill("#c55a11");  
square(191, 465, 72);
```

```
// Red balloon  
stroke("#101010");  
fill("#d44316");  
circle(584, 190, 58);  
line(536, 223, 559, 303);  
line(584, 248, 584, 303);  
line(632, 221, 609, 303);  
fill("#843c0c");  
square(559, 303, 50);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com)  
and click "Code Now" button

2

Type-in the above program  
in the Code Editor

3

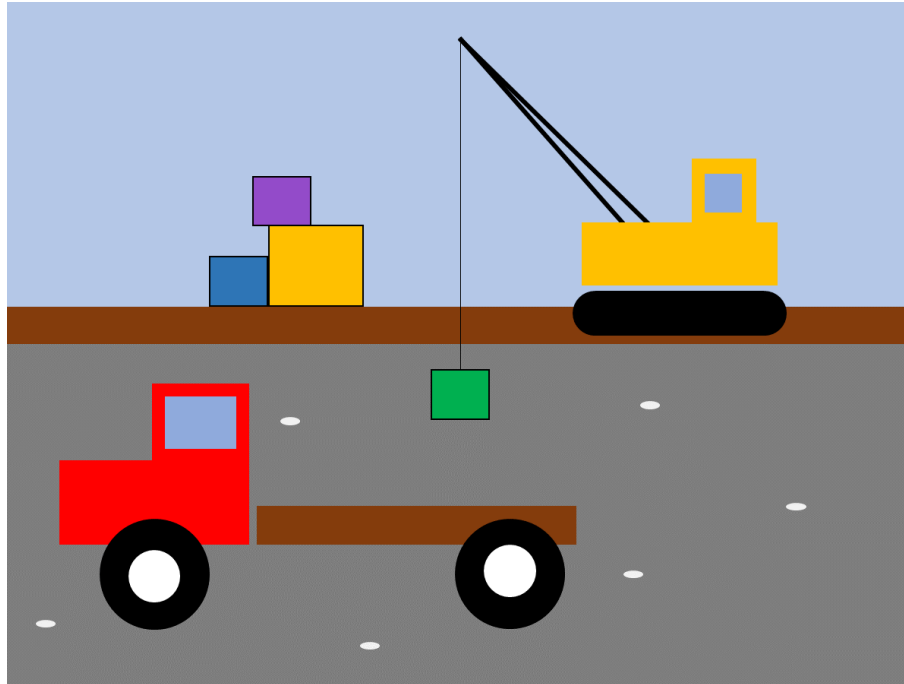
Press "Run"  
and enjoy!

# ट्रक

## Type-in JavaScript Program

```
// Background
noStroke();
fill("#b4c7e7");
rect(0, 0, 800, 267);
fill("#843c0c");
rect(0, 267, 800, 34);
fill("#7f7f7f");
rect(0, 301, 800, 299);
fill("#f1f1f1");
ellipse(33, 545, 18, 7);
ellipse(249, 367, 18, 7);
ellipse(320, 563, 18, 7);
ellipse(565, 352, 18, 7);
ellipse(551, 501, 18, 7);
ellipse(693, 441, 18, 7);
```

```
// Flatbed truck
fill("red");
rect(46, 401, 167, 74);
rect(127, 334, 86, 67);
fill("#8faadc");
rect(139, 346, 62, 45);
fill("#843c0c");
rect(219, 440, 281, 35);
fill("black");
circle(129, 502, 49);
circle(441, 502, 49);
fill("white");
circle(129, 502, 23);
circle(441, 502, 23);
```



```
// Crane truck
stroke("black");
strokeWeight(3);
line(399, 32, 540, 194);
line(399, 32, 563, 194);
strokeWeight(1);
line(399, 32, 399, 321);
noStroke();
fill("#ffc000");
rect(505, 193, 171, 55);
rect(602, 137, 57, 56);
fill("#8faadc");
rect(615, 150, 31, 32);
fill("black");
circle(512, 272, 19);
circle(670, 272, 19);
rect(512, 253, 158, 38);
```

```
// Packages
stroke("black");
fill("#00b050");
square(375, 321, 43);
fill("#2e75b6");
square(178, 223, 43);
fill("#ffc000");
square(221, 196, 70);
fill("#934bc9");
square(210, 153, 43);
```

1

Sign-in at [codeguppy.com](https://codeguppy.com) and click "Code Now" button

2

Type-in the above program in the Code Editor

3

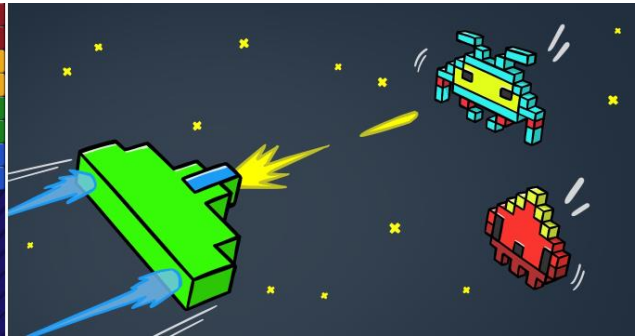
Press "Run" and enjoy!

हे “ड्रॉ विथ कोड” प्रोग्राम तुमच्यासाठी <https://codeguppy.com> द्वारे आणले गेले आहेत – मुले, किशोरवयीन आणि सर्जनशील प्रौढांसाठी मजेदार कोडिंग साइट.

अधिक मनोरंजक प्रकल्पांसाठी <https://codeguppy.com> ला भेट द्यायला विसरू नका!

बातम्या आणि अपडेटसाठी [@codeguppy](https://twitter.com/codeguppy) ट्विटर वर फॉलो करा!

अनुवादक निता आरसुळे



## Credits

Kano computer kit examples

Khan academy

<https://www.youtube.com/watch?v=mrG33P1lwdI>

<https://www.youtube.com/watch?v=-96ajr1P8BM>

<http://howtodrawdat.com/how-to-draw-a-simple-cat-with-simple-shapes-tutorial-for-children-and-preschoolers/>

<http://www.eyedrawit.com/tutorials/>

<https://www.amazon.com/Lets-Draw-House-Shapes/dp/1404227954>

<http://kiddopedia.net/how-to-draw-a-castle-step-by-step-for-kids/>

<https://www.how-to-draw-funny-cartoons.com/cartoon-dog.html>

<https://www.youtube.com/watch?v=YZG704D-600>

<https://www.pinterest.com/pin/311874342921041781/>

<https://www.easypeasyandfun.com/how-to-draw-a-ladybug/>

<https://paintingvalley.com/easy-ladybug-drawing>

<https://design.tutsplus.com/tutorials/how-to-create-a-cute-robot-game-sprite-using-ssr-in-adobe-illustrator--vector-8442>

<https://www.youtube.com/watch?v=QWoL3WBZT7g>