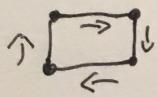


## Programming Exercises

Ex. 1-1: English: Start from ~~the~~ one point and draw horizontal to the right, then continue down, then left and up back to the origin point.



Code:

```
(0,0);  
(5,0);  
(5,4);  
(0,4);  
(0,0);
```

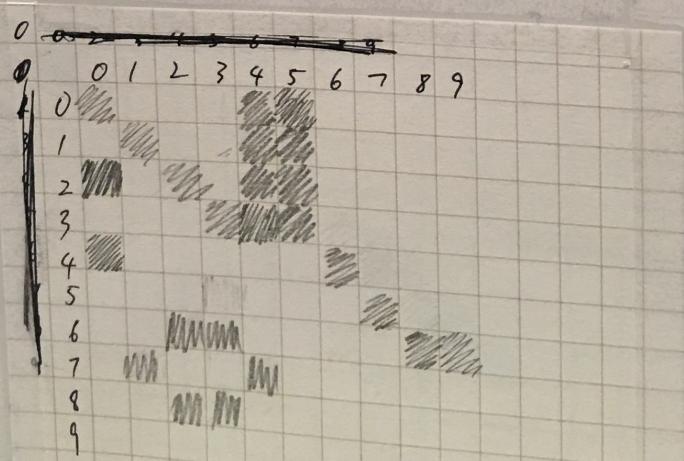
English: Start from one point and ~~go~~ draw a line going around  $360^\circ$  back to the origin point.



Code: ~~the~~ (5,5);  
 $(360^\circ)$ ;  
(5,5)

English: Start from a middle point and draw a line in  $45^\circ$  and the another  $45^\circ$  the back to the origin point.

Code: (4,1);  
(6,4);  
(2,4);  
(4,1);



Ex 1-2:

~~Ex 1-3~~ : Line (1, 5, 1, 9)

Line (0, 9, 5, 4)

Point (1, 1)

rectMode (corner)

rect (4, 1, 9, 3)

ellipseMode (corner)

ellipse (6, 7, 9, 9)

Ex 1-4 : background (255)

stroke (0)

fill (0)

rect (0, 0, 50, 50)

~~stroke~~

~~rect (0, 50, 50, 50)~~

~~fill~~

~~(0, 50, 50, 50)~~

fill (162)

rect (50, 50, 50, 50)

Ex 1-5 : fill (0, 0, 255) Bright blue

ellipse (20, 40, 16, 16)

fill (~~0, 0, 255~~ 148, 0, 212) Dark Purple

ellipse (40, 40, 16, 16)

fill (255, 255, 0)

ellipse (60, 40, 16, 16)

~~Ex 1-6~~: Ex 1-6: fill(0, 100, 0) Olive Green (Dark Green)

fill(100) Gray?

stroke ~~fill~~(0, 0, 200) Medium light blue

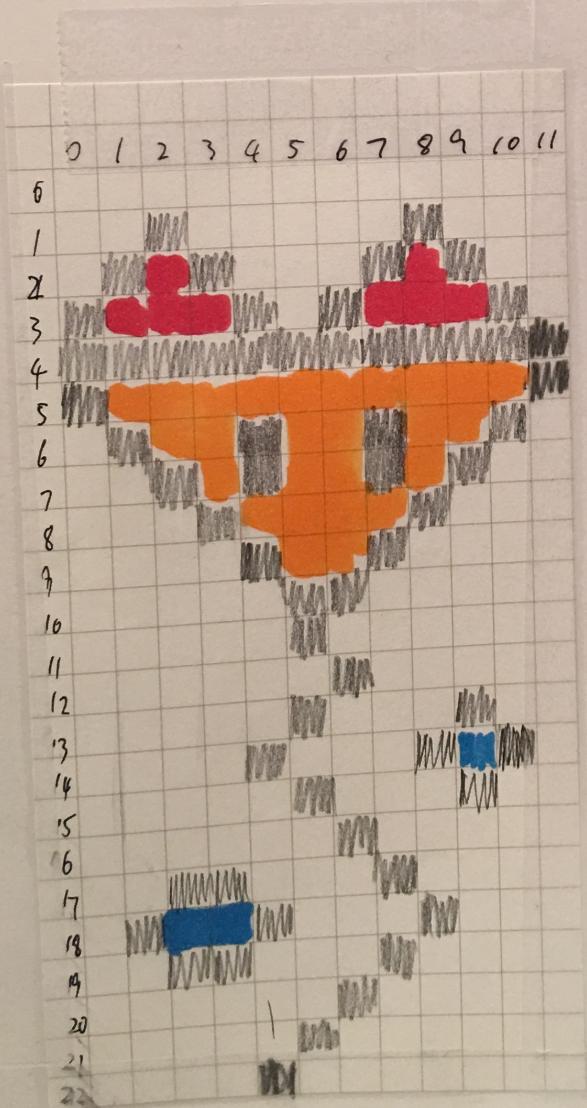
stroke ~~fill~~(225) Light Gray

stroke ~~fill~~(255, 255, 0) yellow

stroke ~~fill~~(0, 255, 255) cyan

stroke (200, 50, 50) Dark red

Ex 1-7:



line(2, 1, 0, 3)

line(3, 2, 4, 3) / fill(255, 0, 0)

line(8, 1, 6, 3)

line(9, 2, 10, 3) / fill(255, 0, 0)

line(0, 4, 11, 4)

line(0, 5, 5, 10)

line(11, 5, 6, 10)

point(4, 6)

point(4, 7)

point(7, 6)

point(7, 7)

fill(255, 165, 0)

point(5, 11)

~~point(6, 12)~~

~~line(6, 12, 4, 14)~~

line(5, 15, 8, 18)

line(7, 19, 4, 22)

EllipseMode(Center)

ellipse(9, 14, 3, 3)

ellipseMode(Corner)

ellipse(1, 17, 4, 19)