

# Project 139

139



## Coding School



## PictoBlox

- ❖ Select the pencil by clicking on chose a sprite.
- ❖ Set the X, Y position and size of the pencil as follows.

Sprite: Pencil

Position: x 78, y 33

Show: ☒ ☐

Size: 100

Direction: 90

- ❖ Click on Paint and create a white rectangle. Then note a text as pen up. Set its X, Y position and size as below

Sprite: pen up

Position: x -125, y 80

Show: ☒ ☐

Size: 75

Direction: 90

*Pen up*

- ❖ Click on Paint and create a white rectangle. Then note a text as pen down. Set its X, Y position and size as below.

Sprite: pen down

Position: x 0, y 80

Show: ☒ ☐

Size: 75

Direction: 90

*Pen down*

- ❖ Click on Paint and create a white rectangle. Then note down a text as pen size. Set its X, Y position and size as below

Sprite  ↔ x  ↑↓ y

Show ☒ ☐ Size  Direction

*pen size*

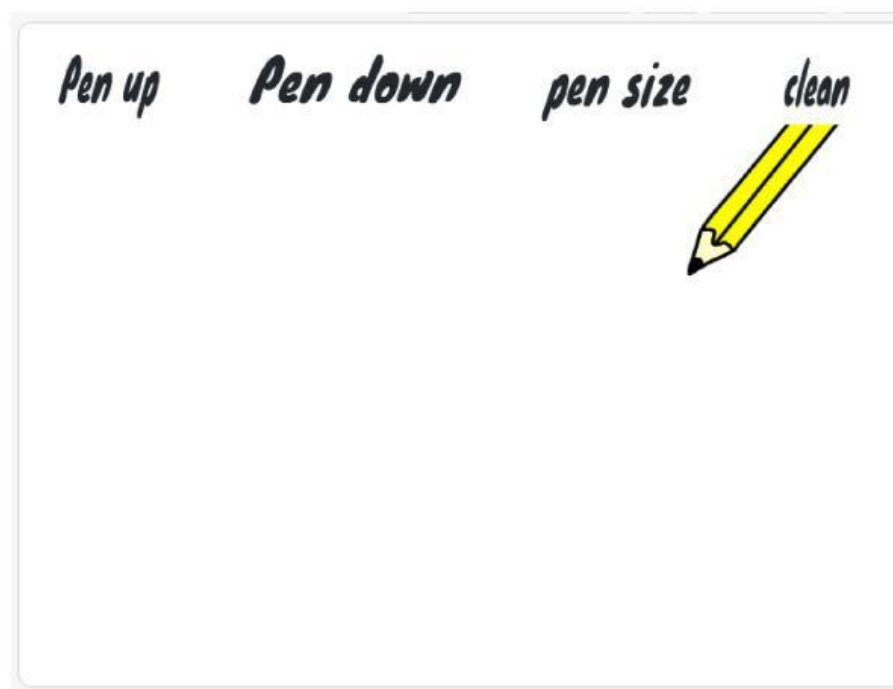
- ❖ Click on Paint and create a white rectangle. Then note a text as pen up. Set its X, Y position and size as below

Sprite  ↔ x  ↑↓ y

Show ☒ ☐ Size  Direction

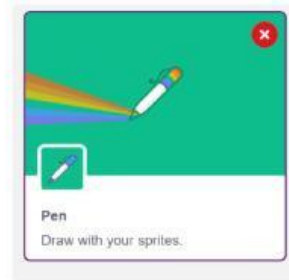
*clean*

- ❖ When this app is designed, it will appear as follows.



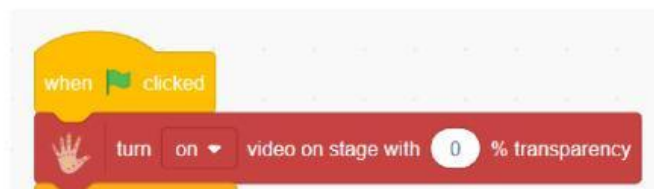
Let's prepare the code for the Art app.

- ❖ First add Human body detection and pen for Add extension.

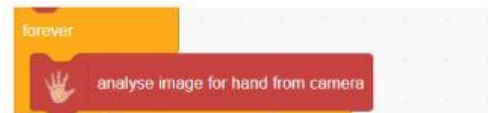


- ❖ Let's prepare the code for the Pencil sprite as follows.

- When you click on the green flag, the camera should be on.



- Then drag a forever block to it.
- You have to analyze your hand in that forever block. For that, prepare the code as follows.



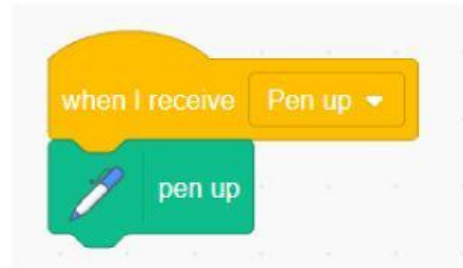
- If your hand is recognized, the top of the index finger for X position and the top of the index finger for Y position should be obtained. For that, prepare the code as follows.



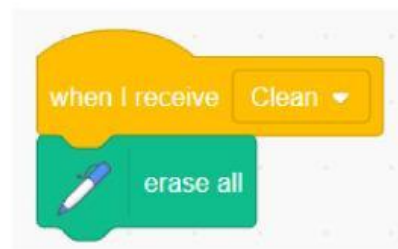
- When you receive a message as pen down, prepare the code as below to down the pen.



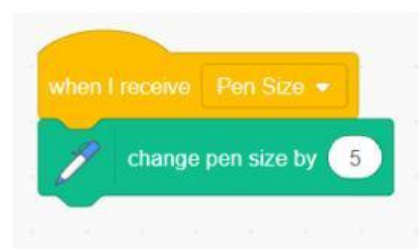
- When you receive a message as pen up, prepare the code as follows to up the pen.



- When you receive a message as clean, prepare the code as follows to erase all the lines.



- When you receive a message about pen size, adjust the code as follows to change the brush size of the pen.



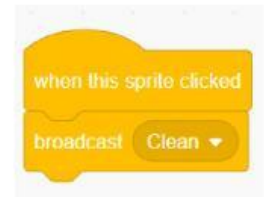
- ❖ Prepare the code as follows for the pen up sprite.
  - When you click on the pen up sprite, prepare the code as follows to get pen up.



- ❖ Prepare the code for the pen down sprite as follows.
  - When you click on the pen down sprite, prepare the code as follows to get pen down.



- ❖ Prepare the code as follows for the clean sprite.
  - Prepare the code as follows to get clean when you click on the clean sprite.



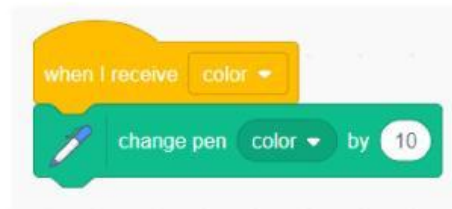
- ❖ Prepare the code for the pen size sprite as follows.
  - When you click on the pen size sprite, prepare the code as follows to get the pen size.



**Answer the question given below.**

1. You have got a sprite as pen color. When you click on that sprite, you need to prepare the code to change the pen color. Consider the message given here as pen color. Choose the correct answer for the questions asked below.

- I. Select the code set to be adjusted in the pen color sprite.



- II. Select the code set to be edited in the pencil sprite.

