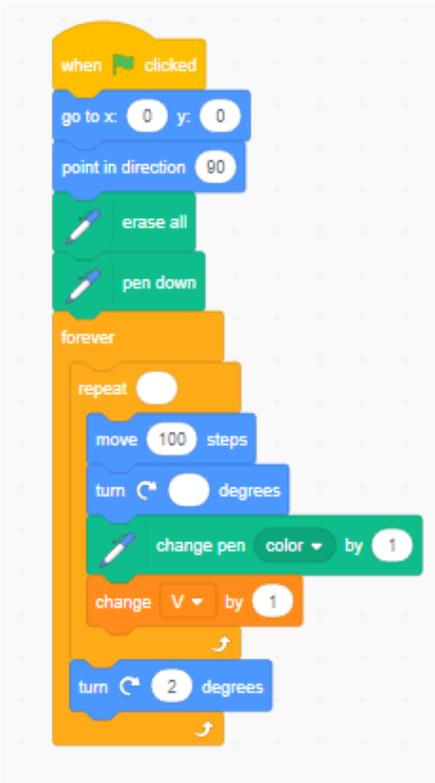
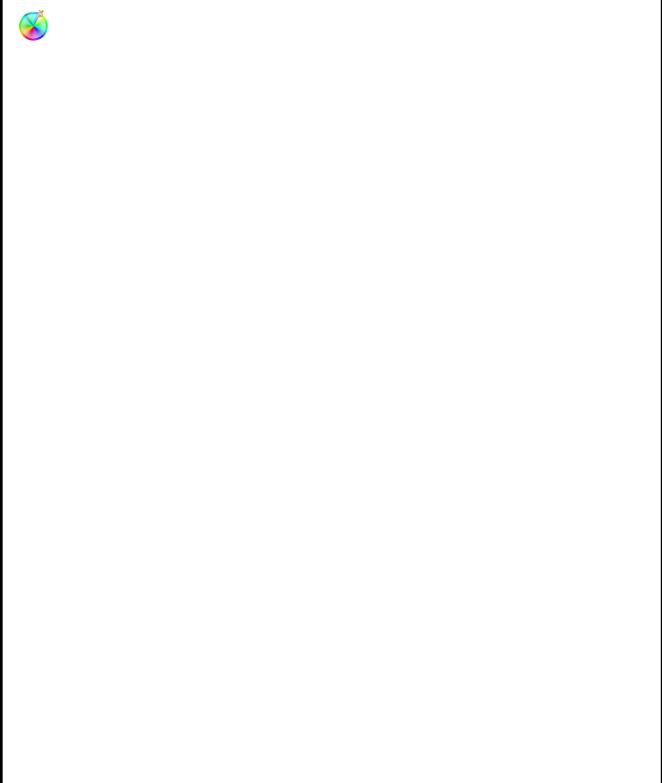


Scratch Assignment # 2

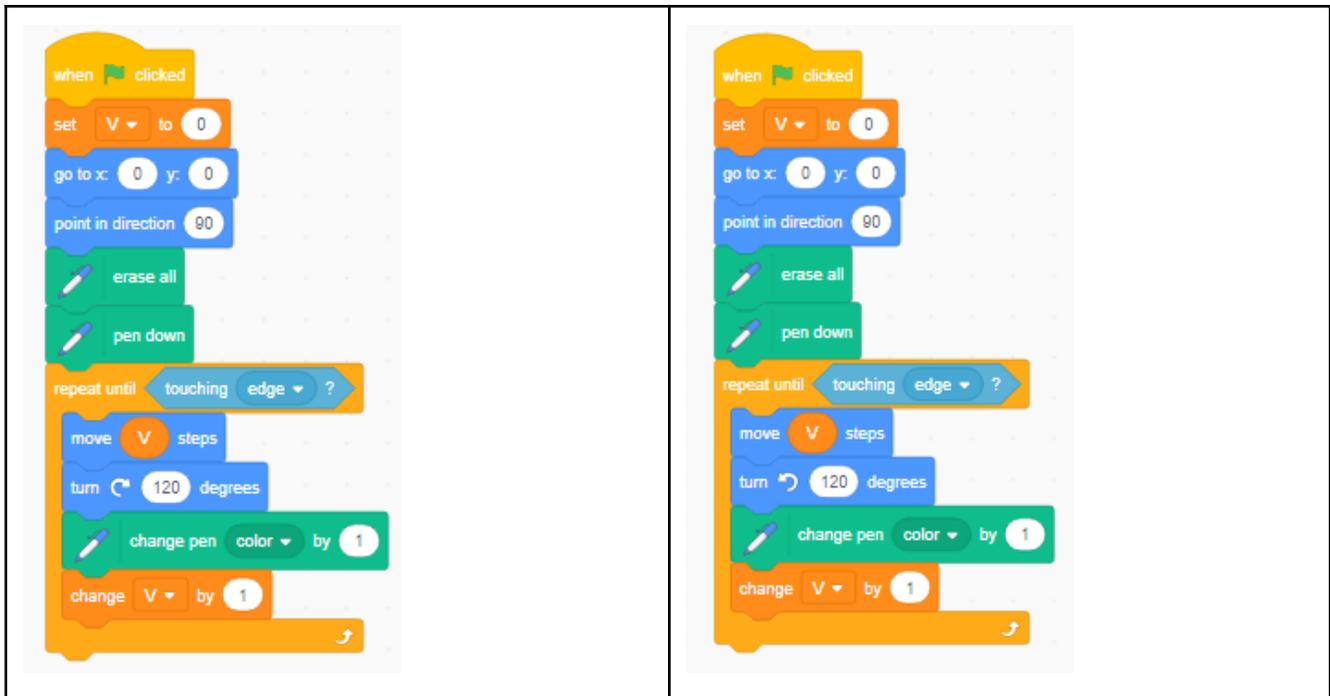
Task 1:

What numbers should be in the repeat block and degrees of turn to form the figure(a) and figure(b)? Explain in video.

 <p>The code for Figure(a) is as follows:</p> <pre>when green flag clicked go to x: 0 y: 0 point in direction 90 erase all pen down forever loop repeat 1 times move 100 steps turn 90 degrees change pen color by 1 change V by 1 turn 2 degrees</pre>	 <p>The code for Figure(b) is blank.</p>
<p>Figure(a)</p>	<p>Figure(b)</p>

Task 2:

What is the difference in these codes? Explain the outputs in a video.

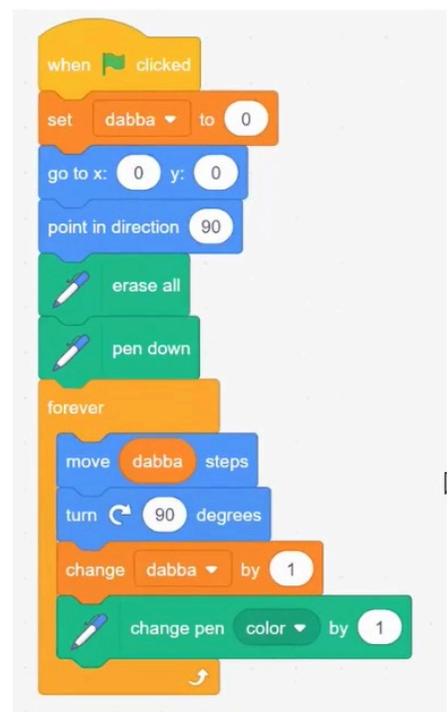


Task 3:

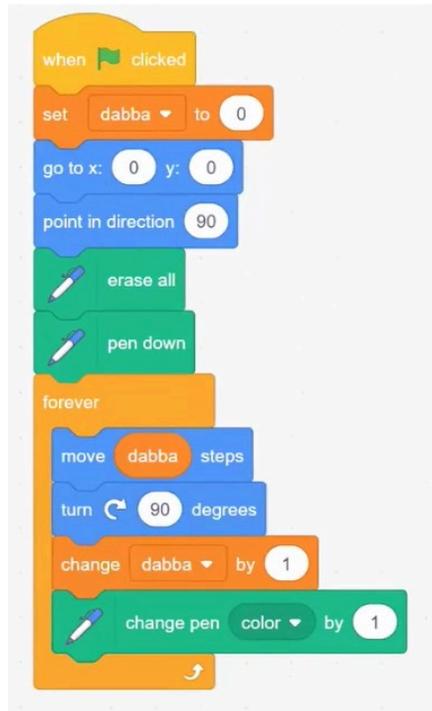
1- Run the Given Code and name the Spiral formed.

2- Now Guess the number of degrees in the above code to make the following spirals and show the output patterns :

- A) Triangular Spiral
- B) Pentagon Spiral
- C) Hexagon Spiral
- D) Octagon Spiral



Task 4:



1- Try the given code and experience the shape formed and show the output.

2- Try the given code with the following angles now and make a video of output patterns :

- A. Try 91°
- B. Try 121°
- C. Try 150°
- D. Try 151°
- E. Try 210°
- F. Try 243°

Task 5:

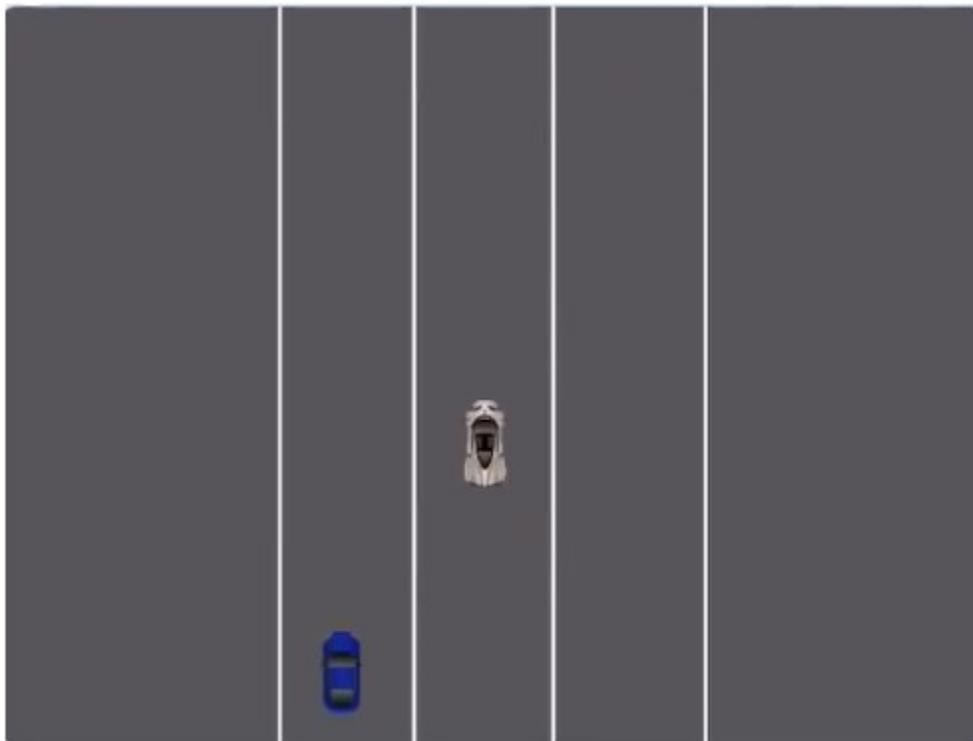
Racing Car Game Phase 1

You need to do the following Tasks in the Phase 1 of Racing Car Game:

- 1) Import the player and opponent car sprites
- 2) Add Backdrops to make the road
- 3) Player Car should only move right with right arrow key and left with left arrow key (No y-axis Movement)
- 4) Opponent Car should only move on y-axis Downward (No x-axis Movement)
- 5) Both Cars should not go out of the boundary

Here are the Assets/Sprites for your Racing car Game

Click here: [WC24-Scratch L-02 Assets](#)





Happy Coding... :)
Good luck