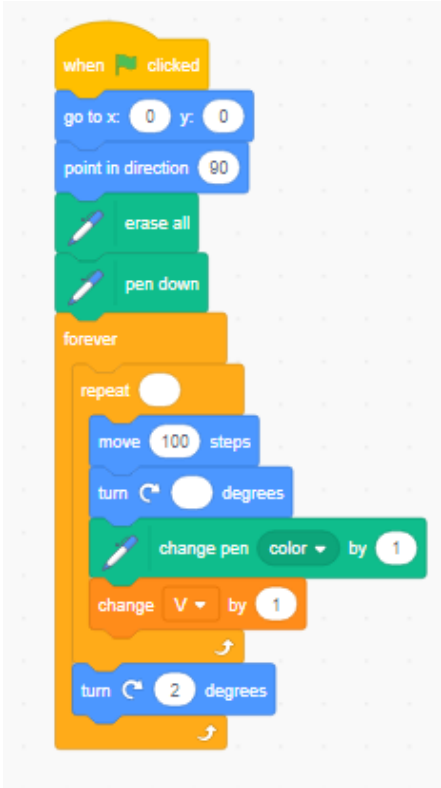
School of Seed Programming

CODING WINTER BOOTCAMP

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.

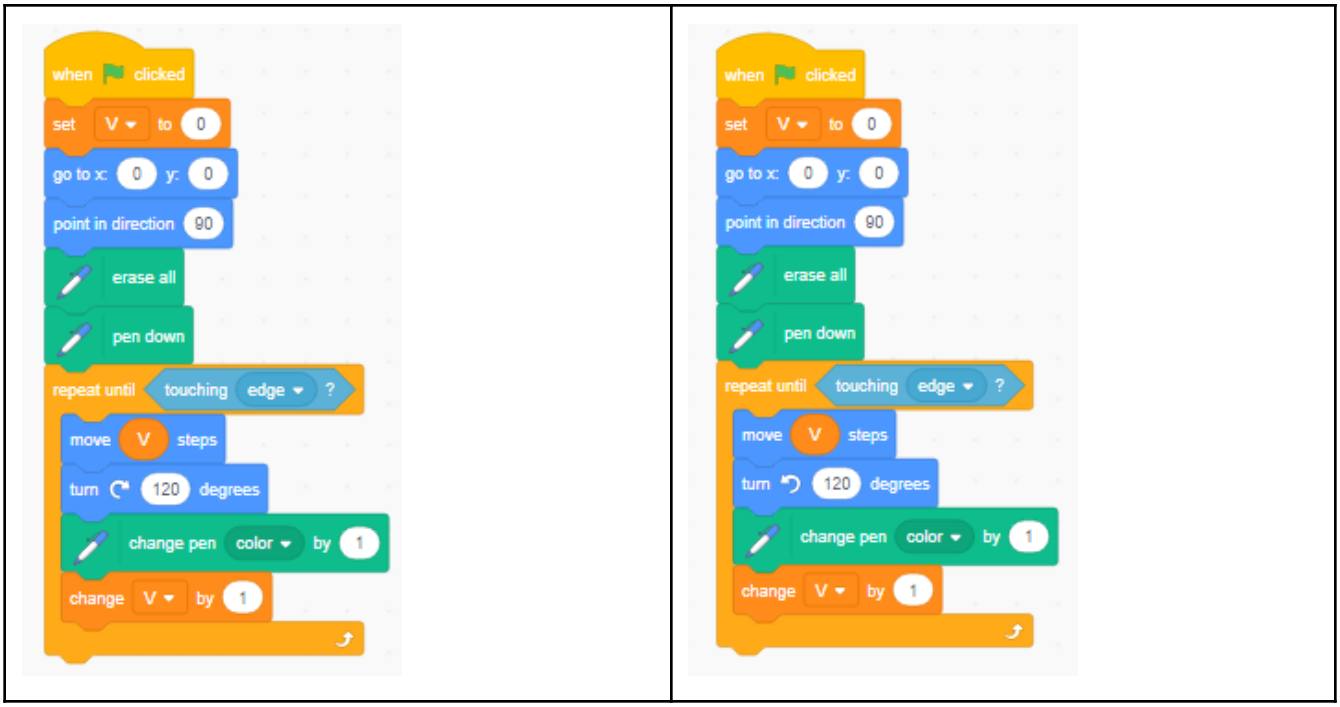


Figure(a)

Figure(b)

Task 2:

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

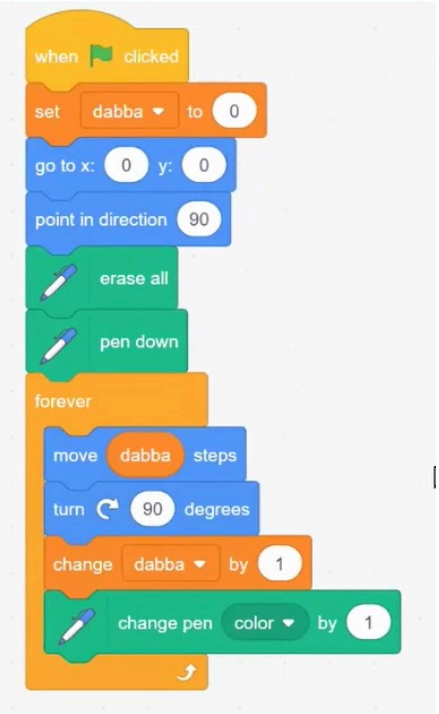


Task 3:

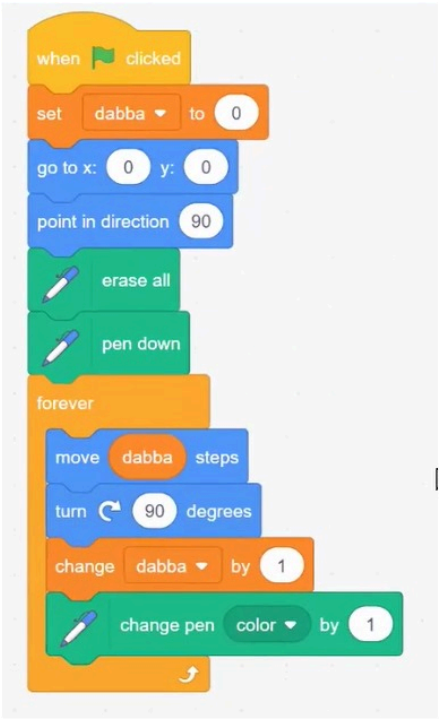
1- Run the Given Code and name the Spiral formed.

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:

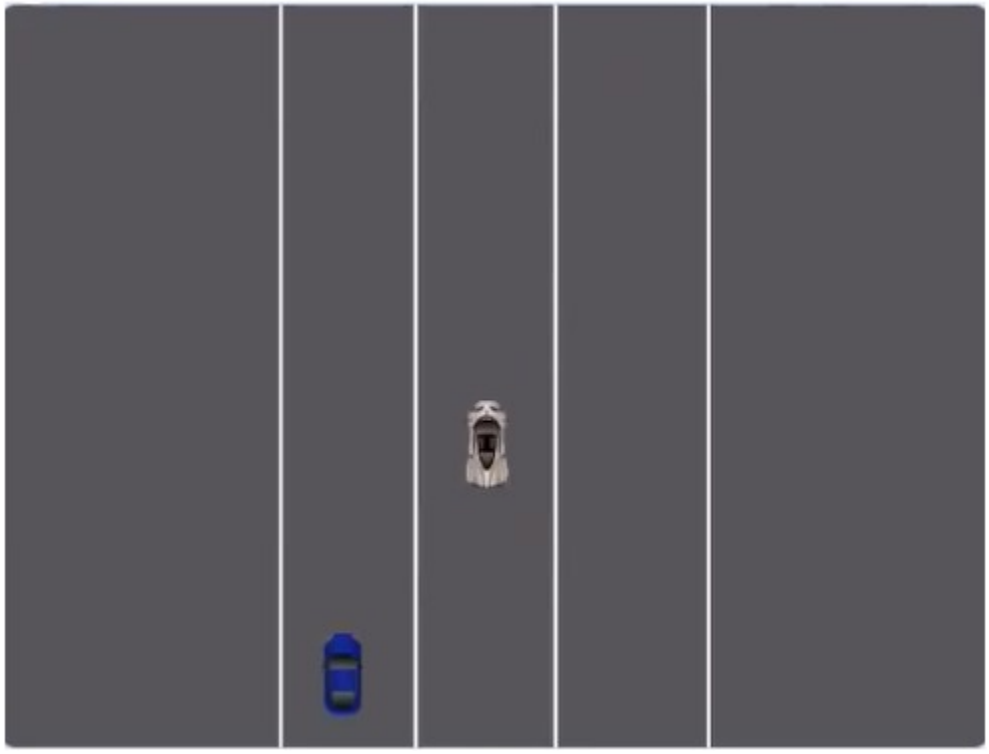
Racing Car Game Phase 1

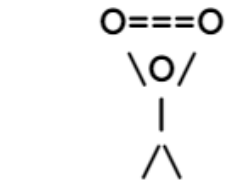
You need to do the following Tasks in the Phase 1 of Racing Car Game:

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