1. a) If the box below is the canvas draw the result of the program shown on the left.

```python
import turtle
wn = turtle.Screen()
ted = turtle.Turtle()
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
ted.right(45)
ted.forward(125)
wn.exitonclick()
```

b) How could the use of repetition make this program easier?
c) Rewrite the turtle program above using a loop.

2. Recall the program to compute the average of 4 numbers from Thursday’s class.

   a = int(input("Enter one of your numbers"))
   b = int(input("Enter one of your numbers"))
   c = int(input("Enter one of your numbers"))
   d = int(input("Enter one of your numbers"))
   average = (a + b + c + d) / 4
   print("The average is", average)

a) Change this program to make use of loops:
3. Below is a canvas after a python program has been run (the box shown is the boundaries of the canvas):

Write a program that would generate the output above exactly.