In-Class Question 15

Question)

In the lecture notes, you were shown an example with multiple turtles moving inside the turtle window.

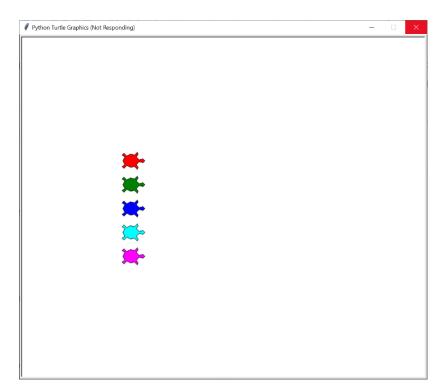
The example has been slightly modified to make a turtle racing game. The new program is shown below.

```
import turtle
import random
def createOneTurtle(thisColor, x, y):
    thisTurtle = turtle.Turtle()
    thisTurtle.fillcolor(thisColor)
    thisTurtle.shape("turtle")
    thisTurtle.shapesize(2, 2)
    thisTurtle.up()
   thisTurtle.goto(x, y)
    allTurtles.append(thisTurtle)
def changeOneTurtle():
    index = random.randint(0, 4)
    allTurtles[index].forward(random.randint(10, 20))
turtle.hideturtle()
allTurtles = []
createOneTurtle("red", -200, 100)
createOneTurtle("green", -200, 50)
createOneTurtle("blue", -200, 0)
createOneTurtle("cyan", -200, -50)
createOneTurtle("magenta", -200, -100)
finished = False
while not finished:
    changeOneTurtle()
    for thisTurtle in allTurtles:
        if SEE_QUESTION >= 200:
            print(thisTurtle.fillcolor(), "wins!")
            finished = True
turtle.done()
```

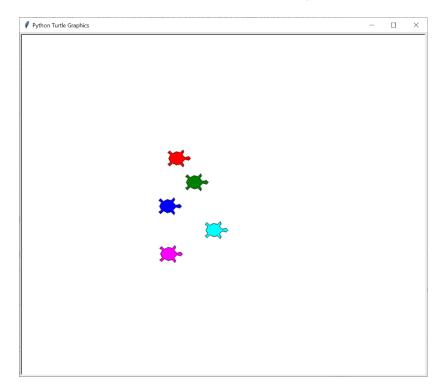
As you can see, the content of **SEE_QUESTION** is not shown in the above code.

Here is a description of how the game works:

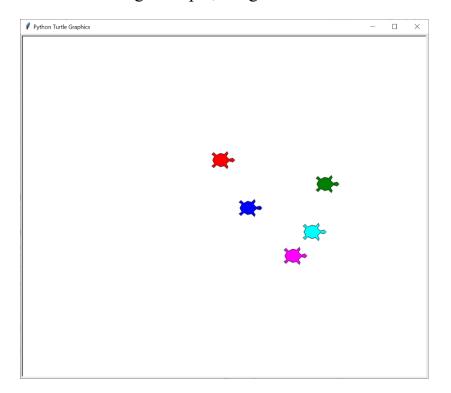
1. Initially the program puts **5 turtles of different colours** on the left-hand side of the window.



2. The turtles then race towards the right-hand side.



3. The turtle who first reaches an **x position of 200 or more** wins the race. In the following example, the green turtle has won the race.



4. A message is then shown on the Python shell.

green wins!

What is the missing code that needs to replace **SEE_QUESTION**? You need to enter the missing code.