St. Johns River State College
COP 1000
Instructor: W. Lara

Lab 08: Classes

TEXTBOOK

1. Write the dog.py
2. Write the car.py
3. Write the electric_car.py
4. My_car.py
5. My_electric_car.py
6. My_cars.py
7. Favorite_languages.py

8. Write program that creates an instance *my_time* of the class Time(). Display a message with the values hours and minutes, of 5 and 30 respectively. Save the file as *class_time_YourName.py*

9. Print the data members of InventoryTag.
Ex: if item_id is 314 and quantity_remaining is 500, *print:*
ID: 314
Qty: 500
Save the file as *inventory_tag_YourName.py*

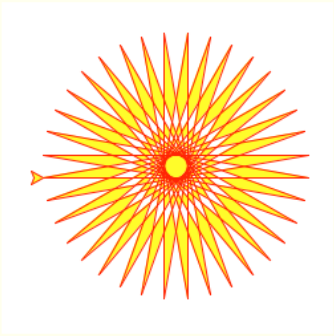
10. Print patient data (height_inches, weight_pounds) before and after. Save the file as *patient_data_YourName.py*
Output:
patient data (before): 0 in, 0 lbs
patient data (after): 63 in, 115 lbs

Have fun!

11. Imagine a robotic turtle starting at (0, 0) in the x-y plane. After an import turtle, give it the command turtle.forward(15), and it moves (on-screen!) 15 pixels in the direction it is facing, drawing a line as it moves. Give it the command turtle.right(25), and it rotates in-place 25 degrees clockwise. Now make the following star:

Turtle star

Turtle can draw intricate shapes using programs that repeat simple moves.



```
from turtle import *
color('red', 'yellow')
begin_fill()
while True:
    forward(200)
    left(170)
    if abs(pos()) < 1:
        break
end_fill()
done()
```

12. Submit the files in Blackboard Lab_08 drop box.