Assignment 3

Python Programming

Assignment Date	29 September 2022
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Maxim um Marks	2 Marks

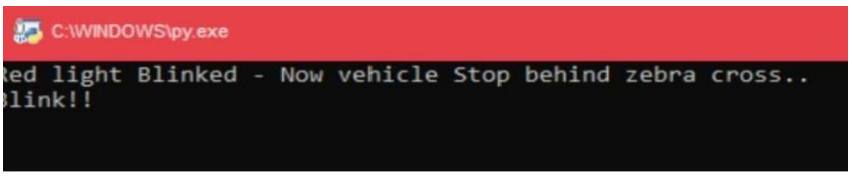
Team ID: PNT2022TMID31725

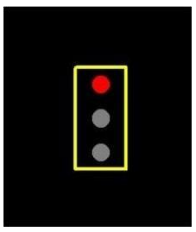
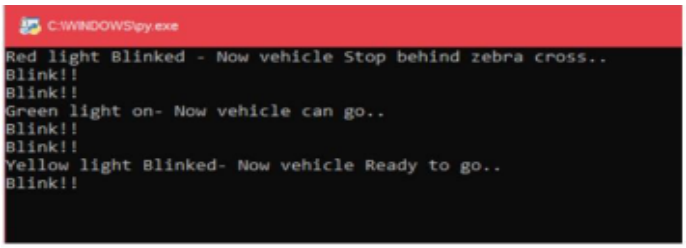
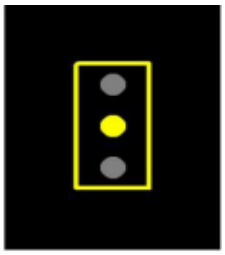
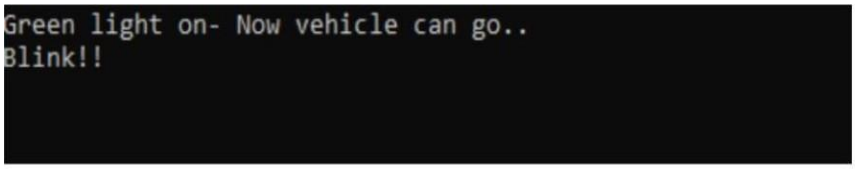
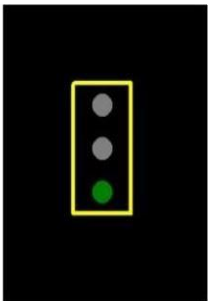
PROGRAM

```
#traffic light for raspberry pi simulating in pycham with
GUI
import turtle
import time
wn= turtle.getscreen()
wn.title("Stoplight By Adarsh")
wn.bgcolor("black")

#gui interfrace
pen= turtle.
Turtle()
pen.color("Yello")
pen.width(4)
pen.hideturtle()
pen.penup()
pen.goto(-30, 60)
pen.pendown()
pen.fd(60)
pen.rt(90)
pen.fd(120)
pen.rt(90)
pen.fd(60)
pen.rt(90)
pen.fd(120)
#red light

red_light =turtle.Turtle()
red_light.shape("circle")
red_light.color("grey")
red_light.penup()
red_light.goto(O, 40)

#Yellow light

yellow_light
=turtle.Turtle()
```

```
yellow_light.shape("circle”
)

yellow_light. color("grey")
yellow_light.penup()
yellow_light.goto(O, O)

#Green light green light
=turtle.Turtle()
green_light.shape("circle")

green_light.color("grey")
green_light.penup() green
light.goto(O, -40)


while True:
    yellow_light.color("grey"
    ) red_light.color('
    print("Red light Blinked - Now vehicle Stop behind zebra
    cross..") print(" Blink! ! ")time.sleep(2) print(" Blink! !")

    red_light. color("grey") green_light.
    color("green") print("Green light on- Now
    vehicle can go.. ")print("Blink!!")
    time.sleep(3) print("Blink!!")

    green_light. color('
    yellow_light.color("yellow") print("Yellow light
    Blinked- Now vehicle Ready to go..")
    print("Blink!!")
    time.sleep(l)
    print("Blink!!")


    wn.mainloop()
```

OUTPUT WITH GUI INTERFACE

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