

Assignment 3

Python Programming

Assignment Date	29 September 2022
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Maximum 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(0, 40)
```

#Yellow light

```
yellow_light
=turtle.Turtle()
```

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```
yellow_light.shape("circle"
)

yellow_light. color("grey")
yellow_light.penup()
yellow_light.goto(0, 0)

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

green_light.color("grey")
green_light.penup() green
light.goto(0, -40)

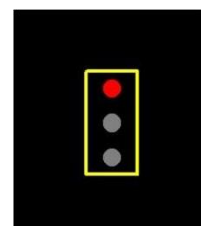
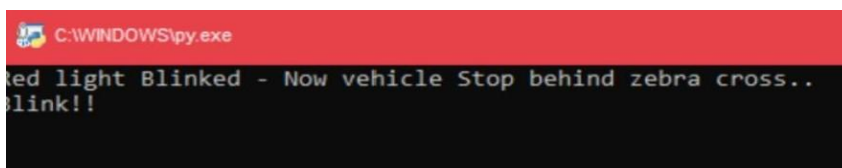
while True:
    yellow_light.color("grey"
) red_light.color('
print("Red light Blinked - Now vehicle Stop behind zebra
cross..") print(" Blink! ! ")time.sleep(2) print(" Blink! !")

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(1)
print("Blink!!")

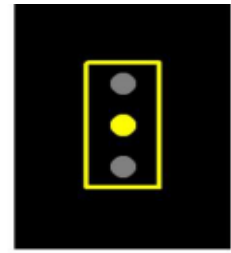
wn.mainloop()
```

OUTPUT WITH GUI INTERFACE



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```
C:\WINDOWS\py.exe
Red light Blinked - Now vehicle Stop behind zebra cross..
Blink!!
Blink!!
Green light on- Now vehicle can go..
Blink!!
Blink!!
Yellow light Blinked- Now vehicle Ready to go..
Blink!!
```



```
Green light on- Now vehicle can go..
Blink!!
```

