Assignment 3

Python Programming

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| Assignment Date | 29 Septem ber 2022 |
| Student Name | Hemalatha P |
| Student Roll Number | 712819104725 |
| Maximum Marks | 2 Marks |

Team ID • PNT2022TMID48488

# PROGRAM

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

#gui interfrace pen= turtle. Turtle() pen.color("Yellow") 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)

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while True:

yellow\_light.color("grey") red\_light.

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.

yellow\_light.color("yellow") print("Yellow light Blinked- Now vehicle Ready to go..")



time.sleep(l) print("Blink!!")

wn.mainloop()

# OUTPUT WITH GUI INTERFACE

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | C:WNDOW5pyexe | |  | | | |  | | |
| Red light Blinked - Now vehicle Stop behind zebra cross. . |  | | |
| Blink! ! 31 ink! !  Green light on- NOW vehicle can go..  Blink! ! Blink! ! vellow light Blinked- NOW vehicle Ready to go.. Blink! ! |  | |  |
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