

# ASSIGNMENT - 3

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**PROBLEM :** write the python code for blinking LED and traffic lights for raspberry pi

#traffic light for raspberry pi simulating 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(0, 40)

#Yellow light yellow\_light

=turtle.Turtle()

yellow\_light.shape("circle")

yellow\_light.color("grey")

yellow\_light.penup()

yellow\_light.goto(0, 0)

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#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("red") 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("grey")
yellow_light.color("yellow") print("Yellow light
Blinked- Now vehicle Ready to go..") print("Blink!!")
time.sleep(1) print("Blink!!") wn.mainloop()
```