# Assignment -3

Python Programming

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| Assignment Date | 07 November 2022 |
| Team ID | PNT2022TMID44153 |
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| Maximum Marks | 2 Marks |

# Question:

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi.

# Solution:

# Program

import turtle import time

wn= turtle.getscreen() wn.title("Stoplight By Sulpikar") wn.bgcolor("black")

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) #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")

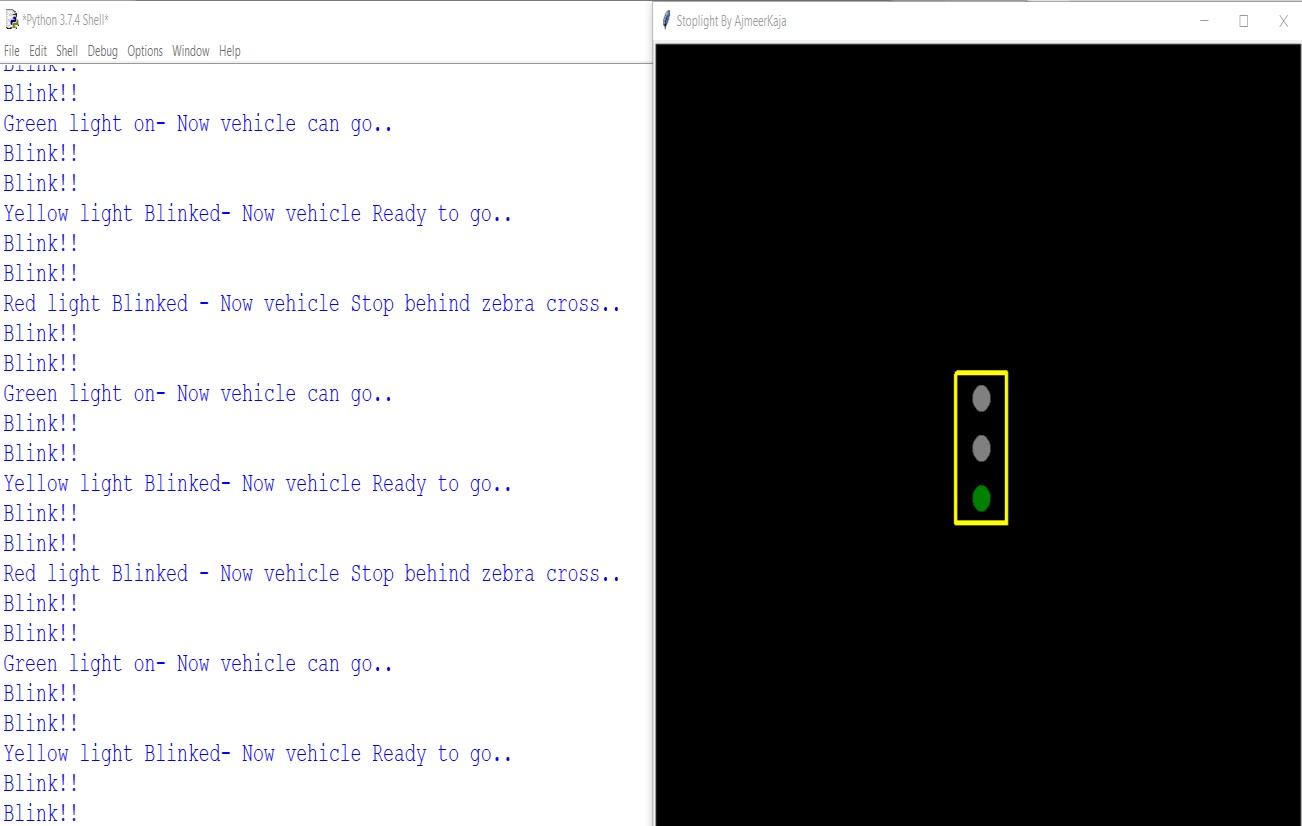
print("Red light Blinked - Now vehicle Stop behind zebra cross..") print("Blink!!")

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()

# Output: