**ASSIGNMENT-3**

**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.

Note: you are allowed to use web search and complete the assignment.

**CODE:**

from gpiozero import Button, LED

button=Button(21)

led=LED(25)

/\*while True:

button.wait\_for\_press()

led.on()

button.wait\_for\_release()

led.off()\*/

while True:

led.blink()

button.wait\_for\_press()

led.off()

button.wait\_for\_release()

//#

from gpiozero import Button, TrafficLights

lights=TrafficLights(25,8,7)

while True:

button.wait\_for\_press()

lights.on()

button.wait\_for\_release()

lights.off()

while True:

lights.blink()

button.wait\_for\_press()

lights.off()

button.wait\_for\_release()

from time import sleep

/\*while True:

lights.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()\*/

while True:

button.wait\_for\_press()

lights.green.on()

sleep(1)

lights.amber.on()

sleep(1)

lights.red.on()

sleep(1)

lights.off()