

ASSIGNMENT-3

ASSIGNMENT DATE	7 OCTOBER 2022
STUDENT NAME	ABINA.S
STUDENT ROLL NUMBER	960219106004
MAXIMUM MARKS	2 marks

QUESTION: WRITE A PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHT FOR RASBERRY PI.

CODE:

```
import time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

while True:

    GPIO.output(11,True)

    time.sleep(1)

    GPIO.output(11,False)

    time.sleep(1)

from gpiozero import Button, TrafficLights, Buzzer

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(25, 8, 7)

while True:

    button.wait_for_press()

    light.green.on()

    sleep(1)

    lights.amber.on()
```

```
sleep(1)
lights.red.on()
sleep(1)
lights.off()
while True:
    lights.on()
    buzzer.off()
    button.wait_for_press()
    lights.off()
    buzzer.on()
    button.wait_for_release()
while True:
    lights.blink()
    buzzer.beep()
    button.wait_for_press()
    lights.off()
    buzzer.off()
    button.wait_for_release()
```