

Assignment -3

PYTHON CODE FOR BLINKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

Assignment Date	7 OCTOBER 2022
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Maximum Marks	2 Marks

Question:

Write python code for blinking led and traffic lights for Raspberry pi

CODE FOR BLINKING LED :

```
import time
import RPi.GPIO as GPIO
GPIO.set mode (GPIO.BOARD)
GPIO.setup (11,GPIO.OUT)
while True:
    GPIO.output(11,true)
    time.sleep(1)
    GPIO.output(11,false)
    time.sleep(1)
```

CODE FOR TRAFFIC LIGHTS:

```
from gpiozero import Button, Traffic lights, Buzzer
from time import sleep
buzzer = Buzzer (15)
button = Button (21)
lights = Traffic lights (25,8,7)
while True:
    button.wait_for_press ( )
    buzzer.on ( )
    lights.green.on ( )
```

sleep (1)

lights.amber.on ()

sleep (1)

lights.red.on ()

sleep (1)

lights.off ()

buzzer.off ()