

## Assignment 3

Assignment date	29 September 2022
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Maximum marks	2 marks

### 1. Write a python code for blinking LED for raspberry pi

#### BLINKING LED:

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)
while True:
    GPIO.output(8, GPIO.HIGH)
    sleep(1)
    GPIO.output(8, GPIO.LOW)
    sleep(1)
```

### 2. Write a python code for traffic lights

## TRAFFIC LIGHTS:

```
from gpiozero import Button,  
trafficLights,  
from time import sleep  
button = Button(21)  
lights = TrafficLights(25,8,7)  
while True:  
    Button.wait_for_press()  
    light.green.on()  
    sleep(1)  
    light.yellow.on()  
    sleep(1)  
    light.red.on()  
    sleep(1)  
    lights.off()
```