

Assignment 3

Assignment Date	08 October 2022
Student Name	A.Dharani Dharan
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Maximum Marks	2 Marks

Write a python code for blinking LED and Traffic lights for Raspberry pi

Python code for blinking LED for Raspberry pi:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(11, GPIO.OUT)
while True:
    GPIO.output(11,True)
    time.sleep(5)
    GPIO.output(11,False)
    time.sleep(5)
```

Python code for Traffic lights for Raspberry pi:

```
import time
import RPi.GPIO as GPIO
Red=8
Yellow=11
Green=17
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
GPIO.setup(Red, GPIO.OUT)
GPIO.setup(Yellow, GPIO.OUT)
GPIO.setup(Green, GPIO.OUT)
```

```
while True:
    GPIO.output(Red,True)
    time.sleep(3)
    GPIO.output(Red,False)
    GPIO.output(Yellow,True)
    time.sleep(3)
    GPIO.output(Yellow,False)
    GPIO.output(Green,True)
    time.sleep(3)
    GPIO.output(Green,False)
```