Assignment -3

Python assignment

Assignment Date	08 October 2022
Student Name	S.Karthick Raja
Student Roll Number	611219106035
Maximum Marks	2 Marks

Question:

Write a Python code for Blinking LED and Traffic Light for Raspberry Pi

Solution:

Blinking Of an LED For Raspberry Pi

```python
import RPi.GPIO as GPIO

import time

GPIO.setmode(GPIO.BCM)

GPIO.setwarnings(False)

GPIO.setup(18,GPIO.OUT)

print("LED on")

GPIO.output(18,GPIO.HIGH)

time.sleep(1)

print("LED off")

GPIO.output(18,GPIO.LOW)
```

Traffic Light for Raspberry Pi

```python
ImportRPi.GPIO as GPIO

from gpiozero import Button, TrafficLights, Buzzer

from time import sleep

buzzer = Buzzer(15)

button = Button(21)

lights = TrafficLights(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()
```