ASSIGNMENT-3 PYTHON CODE
FOR RASPBERRY Pi

Assignment Date	06 October 2022
Student Name	Deepika S
Student Roll Number	201925
Maximum Marks	2 Marks

QUESTION:

Build a python code for blinking of LEDs and Traffic lights for Raspberry Pi.

SOLUTION:

BLINKING OF LEDs:

```python
#BLINKING OF LED
import RPi.GPIO as GPIO
import me
LED_PIN = 17
GPIO.setmode(GPIO.BCM)
GPIO.setup(LED_PIN, GPIO.OUT)
while True:
    GPIO.output(LED_PIN, GPIO.HIGH)
    me.sleep(1)
    GPIO.output(LED_PIN, GPIO.LOW)
    me.sleep(1)
GPIO.cleanup()
```

TRAFFIC LIGHTS:

```
#TRAFFIC LIGHTS
import RPi.GPIO as
GPIO  import me
 GPIO.setmode(GPIO.BOARD)
 Red=7
 Yellow=11
 Green=13
 GPIO.setup(Red, GPIO.OUT)
 GPIO.setup(Yellow,
GPIO.OUT)
GPIO.setup(Green,
GPIO.OUT)  while True:
GPIO.output(Red, True)
me.sleep(3)
        GPIO.output(Red, False)
        GPIO.output(Yellow, True)
        me.sleep(1)
         GPIO.output(Yellow, False)
        GPIO.output(Green, True)
        me.sleep(3)
```

```python
        GPIO.output(Green, False)
GPIO.cleanup()
```