ASSIGNMENT-3

Assignment Date	13th October 2022
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Maximum Marks	2 Marks

WRITE A PYTHON CODE FOR BLINIKING LED AND TRAFFIC LIGHTS FOR RASPBERRY PI USING PYTHON CODE.

```python
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
GPIO.setup(12, GPIO.OUT)
GPIO.setup(13, GPIO.OUT)


while True:
        GPIO.output(11,True)
        time.sleep(1)
        GPIO.output(11,False)
        time.sleep(1)
        GPIO.output(12,True)
        time.sleep(1)
        GPIO.output(12,False)
        time.sleep(1)
        GPIO.output(13,True)
        time.sleep(1)
        GPIO.output(13,False)
        time.sleep(1)
```

Question-2:

Write a python code for blinking LED using Raspberry pi.

Solution:

```python
import RPi.GPIO as GPIO # Import Raspberry Pi GPIO library

from time import sleep # Import the sleep function from the time module
GPIO.setwarnings(False) # Ignore warning for now
GPIO.setmode(GPIO.BOARD) # Use physical pin numbering

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True

    GPIO.output(8, GPIO.HIGH) # Turn on

    sleep(1) # Sleep for 1 second

    GPIO.output(8, GPIO.LOW) # Turn off

    sleep(1) # Sleep for 1 second
```