B11-5A1E

Date	17 October 2022
Team ID	PNTT2022TMID42919
Project Name	Assignment 3
Maximum Marks	2 Marks

PROBLEM

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

Blinking LED:

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

from time import sleep # Import the sleep function from the time

moduleGPIO.setwarnings(False) # Ignore warning for now

GPIO.setmode(GPIO.BOARD) # Use physical pin numbering

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW) # Set pin 8 to be an output pin

andset initial value to low (off)

while True: # Run forever

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

    sleep(1) # Sleep for 1 second

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

    sleep(1)
```

Traffic Light:

```python
from gpiozero import LED

red = LED(22)

amber = LED(27)

green = LED(17)

red.blink(1, 1)

amber.blink(2, 2)

green.blink(3, 3)
```