Assignment-III

Write python code for blinking LED and Traffic lights for Raspberry pi. Only python code is enough, no need to execute in raspberry pi.

Note: you are allowed to use web search and complete the assignment.

Code for blinking LED :

import RP1.GPIO as GPIO

from time import sleep

GPIO.setmode (GPIO.BOARD)

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

while True:

GPIO.output (8, GPIO.HIGH)

sleep(1)

GPIO.output (8, GPIO.LOW)

sleep(1)

Code for Traffic lights :

```
import RP1.GPIO as GPIO

import time

GPIO.setwarnings(False)

green=11

yellow=10

red=9

GPIO.setmode(GPIO.BCM)

GPIO.setup(red, GPIO.OUT)

GPIO.setup(green, GPIO.OUT)

GPIO.setup(yellow, GPIO.OUT)

GPIO.output (green, False)

GPIO.output (yellow, False)

GPIO.output (red, False)

GPIO.output(green, True)

time.sleep(3)

GPIO.output (green, False)

GPIO.output(yellow, True)

time.sleep(3)

GPIO.output (yellow, False)

GPIO.output(red, True)

time.sleep(10)
```