**IBM ASSIGNMENT-3**

|  |  |
| --- | --- |
| Assignment Date | 05 October 2022 |
| Student Name | J.Manoj |
| Student Roll Number | 510119104013 |
| Maximum Marks | 2 Marks |

**QUESTION-1**

Write a python code for traffic lights using Raspberry pi.

**CODING:**

from gpiozero import LED,Button

from time import sleep

red = LED(18)

amber = LED(2)

green = LED(17)

button = Button(3)

print("Press the button when you want to cross.")

green.on()

amber.off()

red.off()

while True:

print("Wait")

button.wait\_for\_press()

green.off()

amber.on()

sleep(5)

amber.off()

red.on()

print("Cross now.")

sleep(10)

**QUESTION-2**

Write a python for blinking LED using Raspberry pi.

**CODING:**

import time

import RPi.GPIO as GPIO

GPIO.setmode(GPIO.BOARD)

GPIO.setup(11, GPIO.OUT)

while True: GPIO.output(11,True)

time.sleep(1)

GPIO.output(11,False)

time.sleep(1)