**ASSIGNMENT 3**

**Python Programming**

|  |  |
| --- | --- |
| Student name | Brintha J S |
| Student Roll Number | 2019504015 |
| Maximum marks | 2 marks |

**Question:**

Write a python code for blinking LED and traffic lights for raspberry pi

**Solution:**

**BLINKING LED**

import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

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)

**TRAFFIC LIGHTS:**

from gpiozero import Button,

trafficLights,

from time import sleep

button = Button(21)

lights = TrafficLights(25,8,7)

while True:

Button.wait\_for\_press()

light.green.on()

sleep(1)

light.yellow.on()

sleep(1)

light.red.on()

sleep(1)

lights.off()