**Assignment -3**

PYTHON PROGRAMMING

|  |  |
| --- | --- |
| Assignment Date | 19 September 2022 |
| Student Name | **Srinisanth M** |
| Student Roll Number | **19ITR093** |
| Maximum Marks | 2 Marks |

Question-1:

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.

**Solution:**

**PROGRAM:**

import time

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) ## Turn on redLed time.sleep(1) ## Wait for one second GPIO.output(11, False) ## Turn off redLed time.sleep(1) ## Wait for one second GPIO.output(12, True) ## Turn on yellowLed

time.sleep(1) ## Wait for one second GPIO.output(12, False) ## Turn off yellowLed time.sleep(1) ## Wait for one second GPIO.output(13, True) ## Turn on greenLed time.sleep(1) ## Wait for one second GPIO.output(13, False) ## Turn off greenLed time.sleep(1)