

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)
```