

ASSIGNMENT -3

Python Programming

Assignment Date	19 October 2022
Student Name	Riveka M S
Student Roll Number	19CS119
Maximum Marks	2 Marks

QUESTION-1:

Write python code for blinking LED and Traffic lights for Raspberry pi.

SOLUTION:

```
import RPi.GPIO as GPIO
import time
import signal
import sys
```

```
GPIO.setmode(GPIO.BCM)
GPIO.setup(9, GPIO.OUT)
GPIO.setup(10, GPIO.OUT)
GPIO.setup(11, GPIO.OUT)
```

```
while True:
    # Red On
    GPIO.output(9, True)
    time.sleep(2)

    # Red Off
    GPIO.output(9, False)
    time.sleep(2)

    # Yellow On
    GPIO.output(10, True)
```

```
time.sleep(2)
```

```
# Yellow Off
```

```
GPIO.output(10, False)
```

```
time.sleep(2)
```

```
#Green On
```

```
GPIO.output(11, True)
```

```
time.sleep(2)
```

```
#Green Off
```

```
GPIO.output(11, False)
```

```
time.sleep(2)
```