

**Assignment -3**  
Python Programming

Assignment Date	30 September2022
Student Name	Ramesh RSR
Student Roll Number	910619106042
Maximum Marks	2 Marks

**Question-1:**

Write Python Code for blinking LED and traffic lights for Raspberry pi(Only python code)

```
import time
```

```
import RPi.GPIO as GPIO
```

```
Red,Green,orange = 10,11,12
```

```
GPIO.setwarnings(False)
```

```
GPIO.setmode(GPIO.BCM)
```

```
GPIO.setup(Red, GPIO.OUT)
```

```
GPIO.setup(Green, GPIO.OUT)
```

```
GPIO.setup(orange, GPIO.OUT)
```

```
while True:
```

```
    GPIO.output(Red, GPIO.HIGH)
```

```
    time.sleep(18)
```

```
    GPIO.output(Red, GPIO.LOW)
```

```
    GPIO.output(orange, GPIO.HIGH)
```

```
    time.sleep(5)
```

```
    GPIO.output(orange, GPIO.LOW)
```

```
    GPIO.output(Green, GPIO.HIGH)
```

```
    time.sleep(18)
```

```
    GPIO.output(Green, GPIO.LOW)
```

```
    GPIO.output(orange, GPIO.HIGH)
```

```
    time.sleep(5)
```

```
    GPIO.output(orange, GPIO.LOW)
```