

## IBM ASSIGNMENT 3

Assignment Date	October 5, 2022
Student Name	Vignesh V
Student Roll Number	611219106085
Maximum marks	2 Marks

Question-1: Write python code for blinking LED and Traffic lights for Raspberry pi

### PROGRAM:

**Program for LED interface with Raspberry pi:**

```
from gpiozero import LED
```

```
red = LED(22)
```

```
red.blink()
```

```
from gpiozero import LED
```

```
red = LED(22)
```

```
amber = LED(27)
```

```
green = LED(17)
```

```
red.blink(1, 1)
```

```
amber.blink(2, 2)
```

```
green.blink(3, 3)
```

**Program for traffic light interface with Raspberry pi:**

```
import time
```

```
import RPi.GPIO as  
GPIO ## Import GPIO
```

library

```
GPIO.setmode(GPIO.BOARD) ## Use board pin  
numbering
```

```
GPIO.setup(11,  
GPIO.OUT) ## Setup  
GPIO Pin 11 to OUT
```

```
while True:
```

```
GPIO.output(11,True)  
## Turn on Led
```

```
time.sleep(1) ## Wait  
for one second
```

```
GPIO.output(11,False)  
## Turn off Led
```

```
time.sleep(1) ## Wait  
for one second
```