

IBM ASSIGNMENT 3

Assignment Date	05October 2022
Student Name	Dhivya dharshini M
Student Roll Number	73771914113
Maximum Marks	2 marks

Question 01

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

Solution:

Code for LED interface with Raspberry pi:

From gpiozero import Button, LED

Led = LED(25)

Button = Button(21)

While True:

 Button.wait_for_press()

 Led.on()

 Print("Pressed")

 Button.wait_for_release()

 Led.off()

 Print("Released")

Code for Traffic light

from gpiozero import LED

from time import sleep

red = LED(22)

amber = LED(27)

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

```
while True:
```

```
    red.on()
```

```
    sleep(1)
```

```
    amber.on()
```

```
    sleep(1)
```

```
    green.on()
```

```
    sleep(1)
```

```
    red.off()
```

```
    sleep(1)
```

```
    amber.off()
```

```
    sleep(1)
```

```
    green.off()
```