

### **Assignment 3**

<b>Component</b>	<b>GPIO pins</b>
Button	21
Red LED	25
Yellow LED	8
Green LED	7
Buzzer	15

#### **Python code for blinking LED and traffic light for raspberry pi :**

```
from gpiozero import LED
```

```
led = LED(17)
```

```
from gpiozero import Button, TrafficLights, Buzzer
```

```
from time import sleep
```

```
buzzer = Buzzer(15)
```

```
button = Button(21)
```

```
lights = TrafficLights(25, 8, 7)
```

```
while True:
```

```
    button.wait_for_press()
```

```
    buzzer.on()
```

```
    light.green.on() sleep(1)
```

```
    lights.amber.on()
```

```
    sleep(1)
```

```
    lights.red.on()
```

```
    sleep(1)
```

```
    lights.off()
```

```
    buzzer.off()
```