

## ASSIGNMENT 3 – PYTHON CODE

DATE	10/10/2022
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Write a python code for blinking LED and traffic lights for Raspberry pi

### CODE:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT) while True: GPIO.output(11,True)
time.sleep(1)
GPIO.output(11,False)
time.sleep(1)
from gpiozero import Button, TrafficLights, Buzzer buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
    button.wait_for_press()
    light.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
```

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

```
sleep(1)
```

```
lights.off()
```

```
while True:
```

```
    lights.on()
```

```
    buzzer.off()
```

```
    button.wait_for_press()
```

```
    lights.off()
```

```
    buzzer.on()
```

```
    button.wait_for_release()
```

```
while True:
```

```
    lights.blink()
```

```
    buzzer.beep()
```

```
    button.wait_for_press()
```

```
    lights.off()
```

```
    buzzer.off()
```

```
    button.wait_for_release()
```