

## **ASSIGNMENT- 3**

### **PYTHON PROGRAM**

ASSIGNMENT DATE	7 <sup>th</sup> Oct 2022
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ROLL NO	960219106127
MAXIMUM MARKS	2 marks

#### **QUESTION:**

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

#### **SOLUTION:**

#### **PROGRAM:**

```
import time
import RPL.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11,GPIO.OUT)
While True:
    GPIO.output(11,True)
    time.sleep(1)
from gpiozero import Button,Traffic Lights,Buzzer
buzzer = Buzzer(15)
butter = Butter(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()
```

