

Assignment -3
Python Programming

Assignment Date	1/10/2022
Student Name	Atchaya E
Student Roll Number	811519106020
Maximum Marks	2 Marks

Question:

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

Note: Only python code is enough, no need to execute in raspberry pi.

Solution:

```
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()
```

```
    buzzer.on()
```

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

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

sleep(1) lights.red.on()

sleep(1) lights.off()

buzzer.off()