ASSIGNMENT 3

PYTHON PROGRAMMING

ASSIGNMENT DATE	25/10/2022
STUDENT NAME	RAJARAJESVARRI G
STUDENT ROLL NUMBER	917719C077
MAXIMUM MARKS	2 MARKS

QUESTION :

Write a python code for blinking LED and traffic lights using Raspberry Pi

SOLUTION:

```python
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.red.on()
            sleep(1)
            lights.amber.on()
            sleep(1)
            lights.green.on()
            sleep(1)
            lights.off()
            buzzer.off()
```

OUTPUT:

GPIO PINS USED:

GP 21 - BUTTON
GP 15 - BUZZER
GP 25 - RED LED
GP 8 - YELLOW LED
GP 7 - GREEN LED