ASSIGNMENT-3

PYTHON PROGRAM

ASSIGNMENT DATE	7th Oct 2022
NAME	S.Arjitha
ROLL NO	960219106034
MAXIMUM MARKS	2 marks

QUESTION:

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

CODE:

```python
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()
    buzzr.beep()
    button.wait_for_press()
    lights.off()
    buzzer.off()
    button.wait_for_release()
```