Assignment -3

Python Programming

Assignment Date	05 October 2022
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Maximum Marks	2 Marks

Question-1:

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

SOLUTION:

BLINKING LED

CODE

```
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setup(9,GPIO.OUT)        while True:
        GPIO.output(9,True)
print("LED IS ON")
time.sleep(1)
GPIO.output(9,False)
print("LED IS OFF")
```

```
        time.sleep(1)
```

TRAFFIC LIGHT

CODE

```
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.green.on()
    sleep(1)
lights.amber.on()
```

```
          sleep(1)
lights.red.on()
sleep(1)              lights.off()
          buzzer.off()
```