

Assignment -3

Python Programming

Assignment Date	05 October 2022
Student Name	MINUTHAA.S
Student Roll Number	510119106008
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()
```

