

Assignment -3

Python Programming

TEAM ID - PNT2022TMID38841

Question-1:

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

- Blinking LED:

Solution:

```
from gpiozero import Button, LED
led = LED(25)
button = Button(21)
while True:
    button.wait_for_press()
    led.on()
    print("Pressed")
    button.wait_for_release()
    led.off()
    print("Released")
```

- Traffic Light:

Solution:

```
from gpiozero import LED
from time import sleep
red = LED(22)
amber = LED(27)
green = LED(17)
while True:
    red.on()
    sleep(1)
    amber.on()
    sleep(1)
    green.on()
    sleep(1)
    red.off()
    sleep(1)
    amber.off()
    sleep(1)
    green.off()
```