Assignment 3

Assignment Date	05October 2022
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Maximum Marks	2 marks

Question 01

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

Solution:

Code for LED interface with Raspberry pi:

```
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")
```

Code for Traffic light

```
from gpiozero import LED

from time import sleep
```

```python
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()
```