Assignment 3

AssignmentDate	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

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()
```