

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()
```