

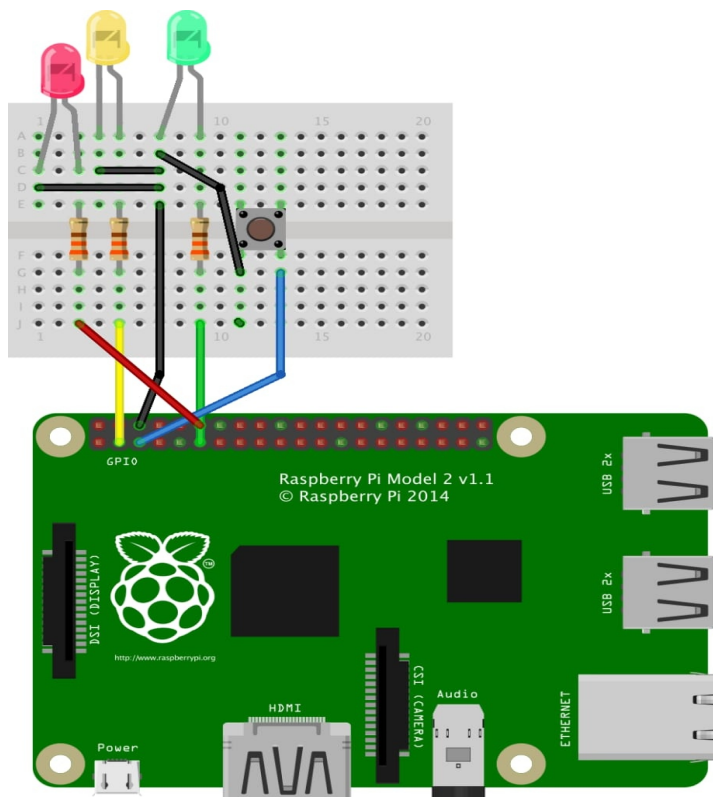
Assignment -3

Assignment Date	01 October 2022
Student Name	Mr.B.R.Sriram
Student Roll Number	820419106057
Maximum Marks	2 Marks

Question-1:

Write a python code for blinking LED and traffic lights for Raspberry pi.

Solution:



```
from gpiozero import LED, Button from time import sleep
```

```
red = LED(18)
```

```
amber = LED(2)
```

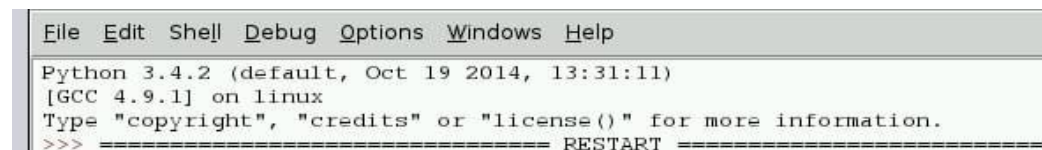
```
green = LED(17)
```

```
button = Button(3)
```

```
print("Press the button when you want to cross.")
```

```
green.on()
```

```
amber.off()
red.off()
while True:
    print("Wait")
    button.wait_for_press()
    green.off()
    amber.on()
    sleep(5)
    amber.off()
    red.on()
    print("Cross now.")
    sleep(10)
    amber.on()
    sleep(5)
    green.on()
    amber.off()
    red.off()
```



The screenshot shows a terminal window with a menu bar (File, Edit, Shell, Debug, Options, Windows, Help) and a title bar. The terminal text is as follows:

```
Python 3.4.2 (default, Oct 19 2014, 13:31:11)
[GCC 4.9.1] on linux
Type "copyright", "credits" or "license()" for more information.
>>> ===== RESTART =====
```