

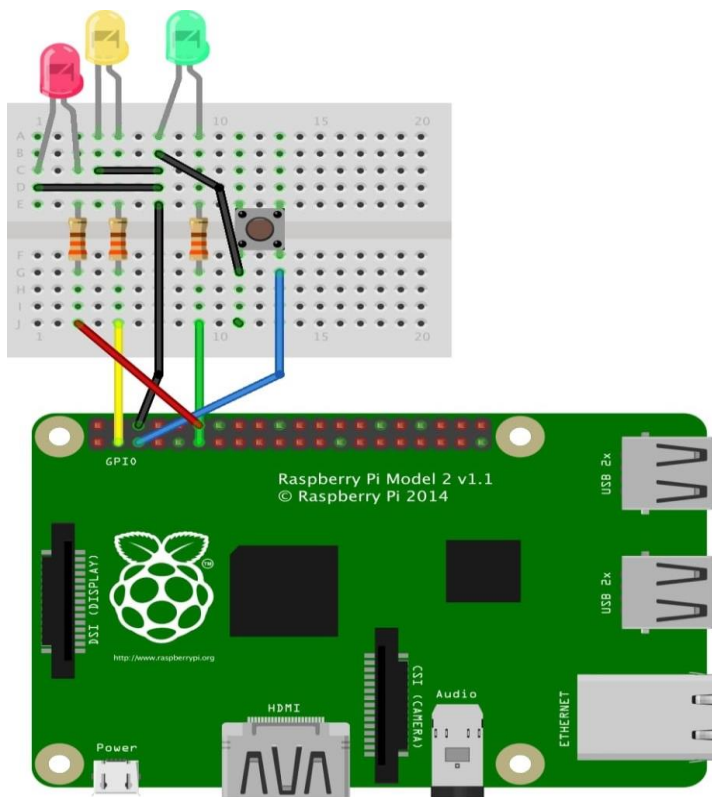
Assignment -3

Assignment Date	01 October 2022
Student Name	Shanmugapriya S
Student Roll Number	820419106052
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()

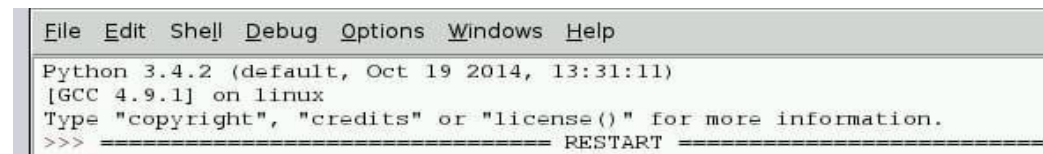
while True:
    print("Wait")
    button.wait_for_press()
    green.off()
    amber.on()
    sleep(5)
    amber.off()
```

```
red.on() print("Cross now.")
```

```
sleep(10) amber.on()
```

```
sleep(5) green.on()
```

```
amber.off() red.off()
```

A screenshot of a Python 3.4.2 shell window. The window has a menu bar with 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Windows', and 'Help'. The main area shows the Python version and GCC version, followed by a copyright notice and a prompt '>>>'.

```
File Edit Shell Debug Options Windows Help
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 =====
```