

Practical No 2

Aim: Controlling led with the help of python code and GPIO pins of raspberry pi.

Step 1: Take the Raspberry Pi.



Step 2: Connect the HDMI port of Raspberry Pi and Computer.



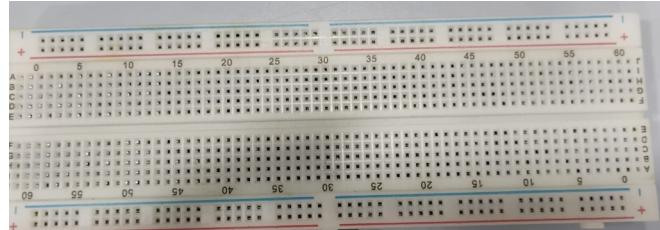
Step 3: Connect the high voltage power port.



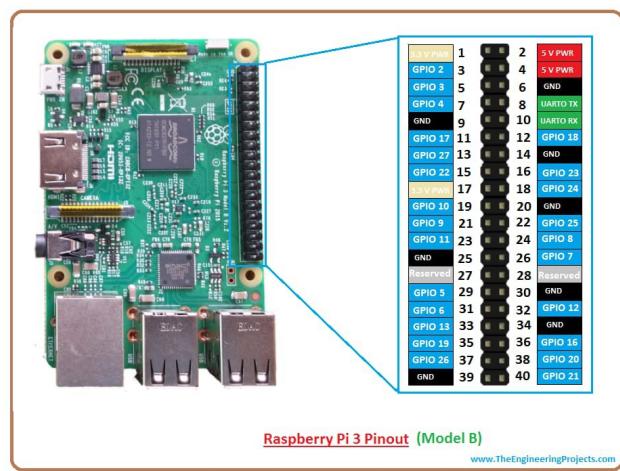
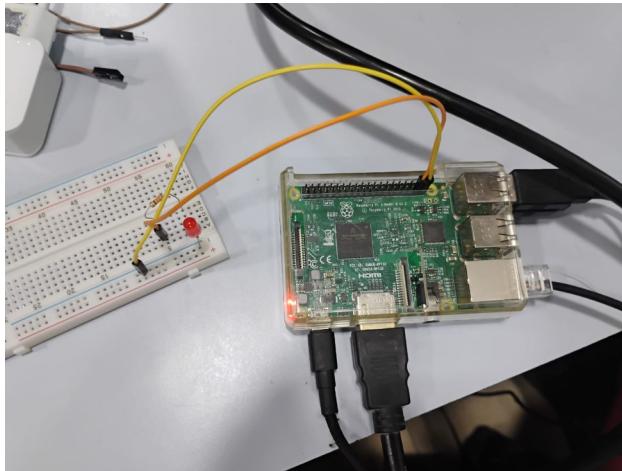
Step 4: Connect the ethernet cable to supply internet to device.



Step 5: Take Bread Board.



Step 6: Make the connections of led, resistors and jumper wires accordingly.



Step 7: Write the code to lighten up led according to the setup.

```
led.py
1 from gpiozero import LED
2 from time import sleep
3
4 led = LED(26)
5
6 while True:
7     led.on()
8     sleep(1)
9     led.off()
10    sleep(0.5)
```

Step 8: Run the code and you'll see the led lighten up.

