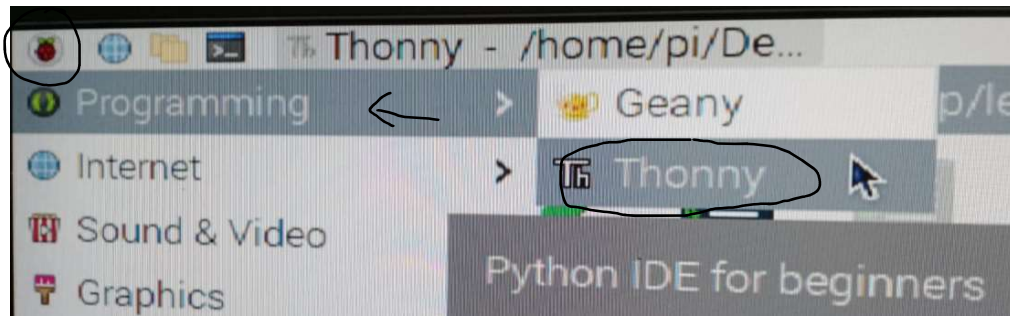


A) Raspberry PI LED instructions:

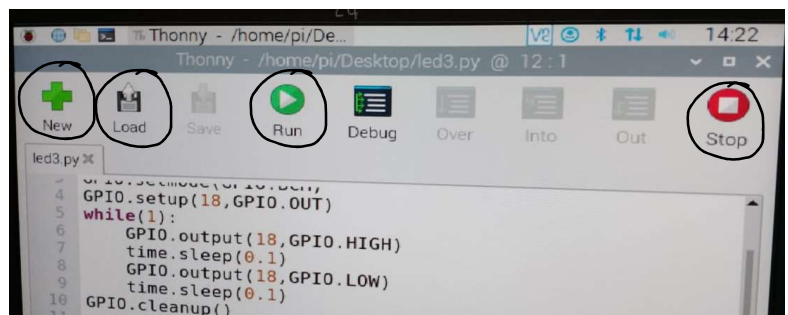
1. Login to Raspberry Pi module with all connections of Keyboard, Mouse, Monitor plug, Power Line, and Network cable .
2. For system Username: pi
Password: raspberry
3. Top left most button-> Programming-> Thonny.



4. Click on “ + ” button to create a new python file-> Enter the code-> save it on desktop-> Click on “ Load ” and select that file from desktop-> click on “ Stop ”-> add LED connections on board with correct pins (+ve and -ve)-> click on “ Run ”.

Code:

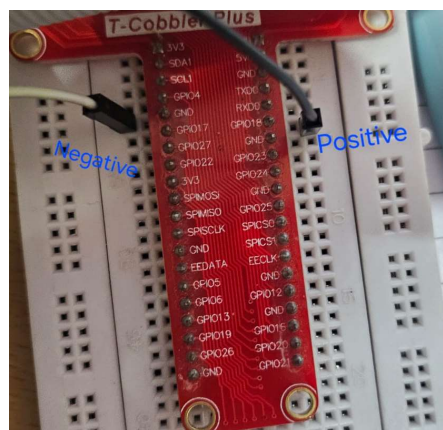
```
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BCM)
GPIO.setup(18,GPIO.OUT)
while(1):
    GPIO.output(18,GPIO.HIGH)
    time.sleep(3)
    GPIO.output(18,GPIO.LOW)
    time.sleep(3)
GPIO.cleanup()
```



Device Connection:

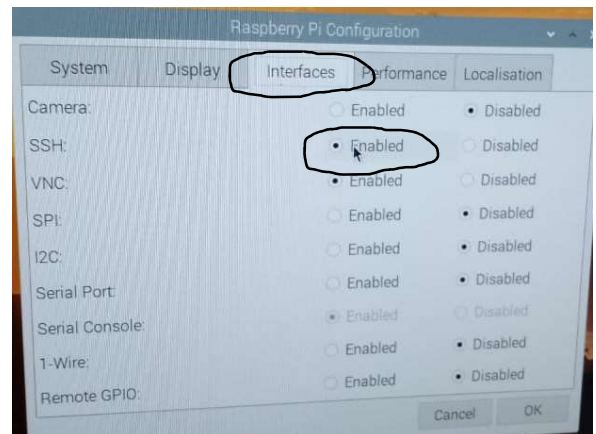
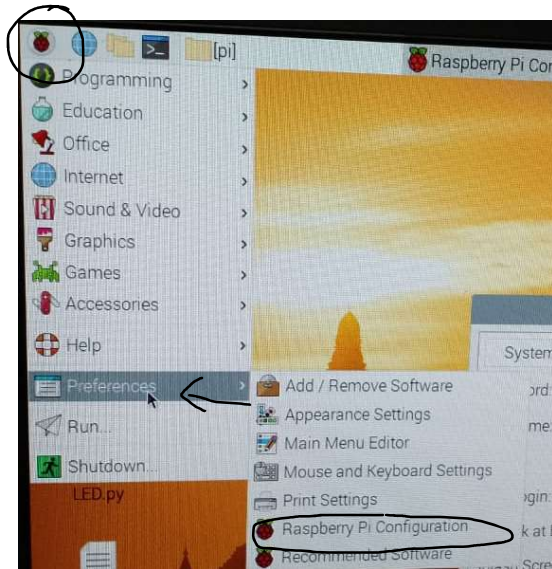
Positive : GPIO18

Negative: GND (ground)

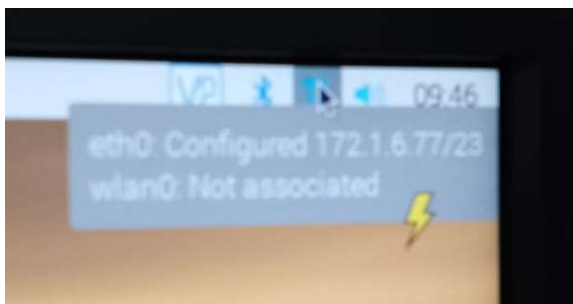


B) SSH Program

1. After doing all steps of part “ A ” , continue with this.
2. Top left most button-> Preferences-> Raspberry PI Configuration.
3. On the appeared window-> Interfaces-> check if **SSH is enabled** , if not then enable it-> **Ok**-> Close.



4. Move to next pc with windows as OS.
5. Search “ **Putty** ” and open the app-> enter the ip (ex: **172.1.6.77**) from the previous pc through top right corner with arrow icon (don't enter suffix of ip “ / 23”-> click OK .



6. In the popped up terminal -> Enter login id : “ **pi** ” -> password : “ **raspberry** ”-> enter “ **cd Desktop** ”-> enter “ **ls** ”-> type “ **python3 filename.py** ” (to get the LED working on previous PC select the file saved with the python code for LED).