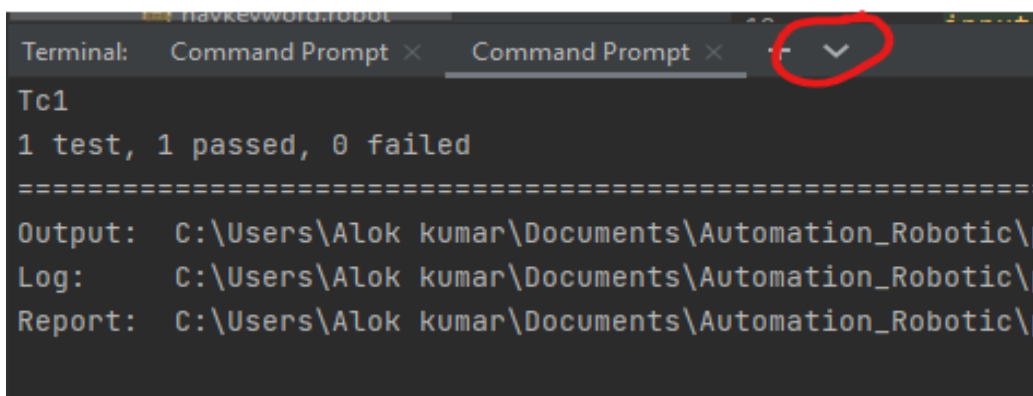
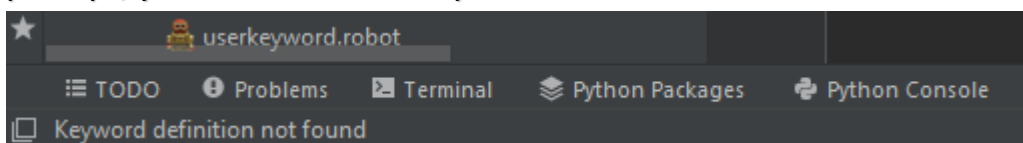


## Web Automation Using Robotic Framework (Selenium with Python)

### Setup:-

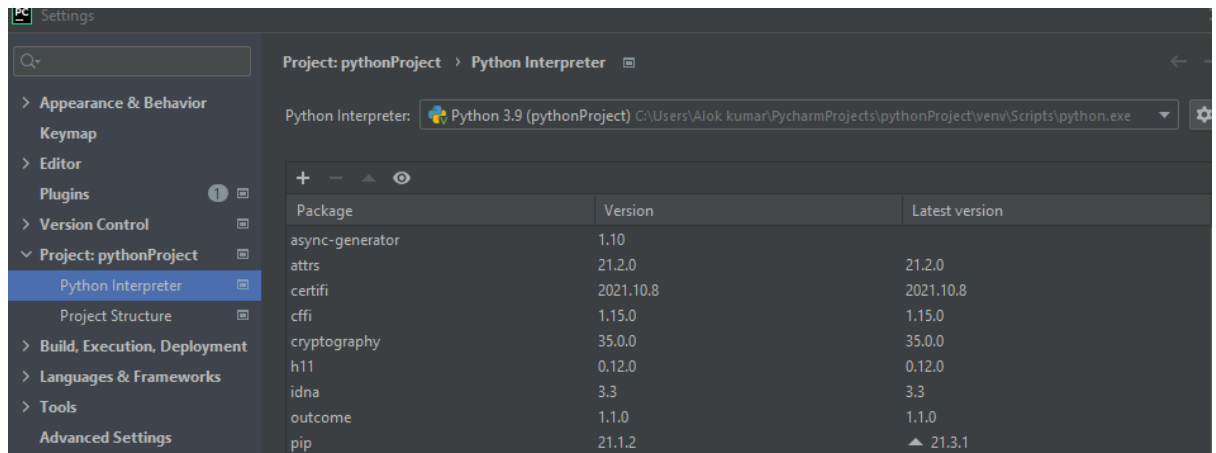
- 1- Install pycharm Ide →  
<https://www.jetbrains.com/pycharm/download/#section=windows>
- 2- After Installing pychar, you will get by default venv folder. Just look in bottom you will find terminal option, click on it, then after open terminal there will be drop down symbol, just click on it and select command prompt, your venv terminal open now.



Click on the drop down button as shown in this pic.

- 3- Now install some Important library for this framework.
  - a- Pip install selenium
  - b- Pip install robotframework
  - c- Pip install robotframework-seleniumlibrary
- 4- Now to file option on the top of the ide, and open settings, then you will get a new window open, click on project:python project, On other side you will get option to choose interpreter, click on dropdown and select show all, in case if python not selected automatically, then another window will open just click on + symbol, and you will now get add interpreter tab, choose new environment, and press ok. Now you can see all install library/modules.

- 5- And Now click on plugins optin, on other side of window there will be a option for search, Search 1) IntelliBot @SeleniumLibrary, 2)Database Tools and sql, and in bottom there will in install package shows, simply click and install these packages.



**\*Note :- in this framework, your file name always be having .robot extension.**

**In robot framework the tab/space indentation is important, so if you get error that might be due to space.**

How to run our run our code?

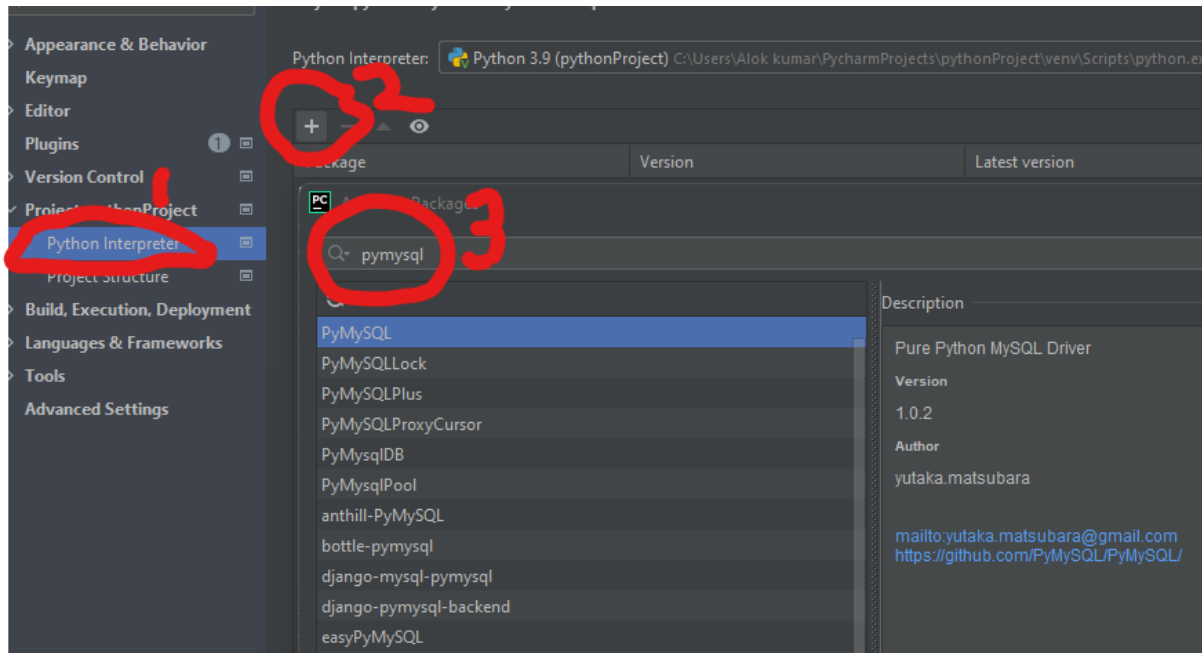
On terminal type :- robot folder\_name/file\_name.robot

In this project :- robot TestCases/tc1.robot

- ➔ All you need to understand that, like in html it's important to know tags name, same as here in this code, all codes which are used in most of cases used.
- ➔ There is a chrome webdriver software important need you can download it from <https://chromedriver.chromium.org/downloads>
- ➔ And extract the driver and cut the drive now go to c drive and find the location where python folder is created after it installed, open it and go inside the scripts folder and paste the webdrive, and now you don't

need to mention drive path for any task every simply use chrome and you browser will detect it. In my case  
C:\Users\User\_Name\AppData\Local\Programs\Python\Python39\Scripts  
. I pasted here.

### Few More Packages that will be used in this codebase with steps



First open settings, then click on python interpreter, then other side click on + button, and you a new window here search

1-“pymysql”

2-“robotframework-databaselibrary” and install it.

---

### Execution Of Test Cases

Reference from file name “**tagging.robot**” -> in this file it is told that if you have lots of test cases and you need to run only few test cases, use tagging, and the terminal cmd → **robot --include=sanity TestCases/tagging.robot**

It will include all tagging whose name were sanity.

- 1- Add multiple tags → **robot -i sanity -i regression**
- 2- Exclude tag → **robot -e regression TestCases/tagging.robot**
- 3- Run all test cases one after other :- **robot TestCases\**

- 4- Using regular expression we can initiate test cases, for eg run only those test case which names initials are “reg” :- **robot TestCases\Reg\*.robot**
- 5- Run those test case whose extension is .robot :- **robot TestCases\\*.robot**

### Run Test Cases Parallel

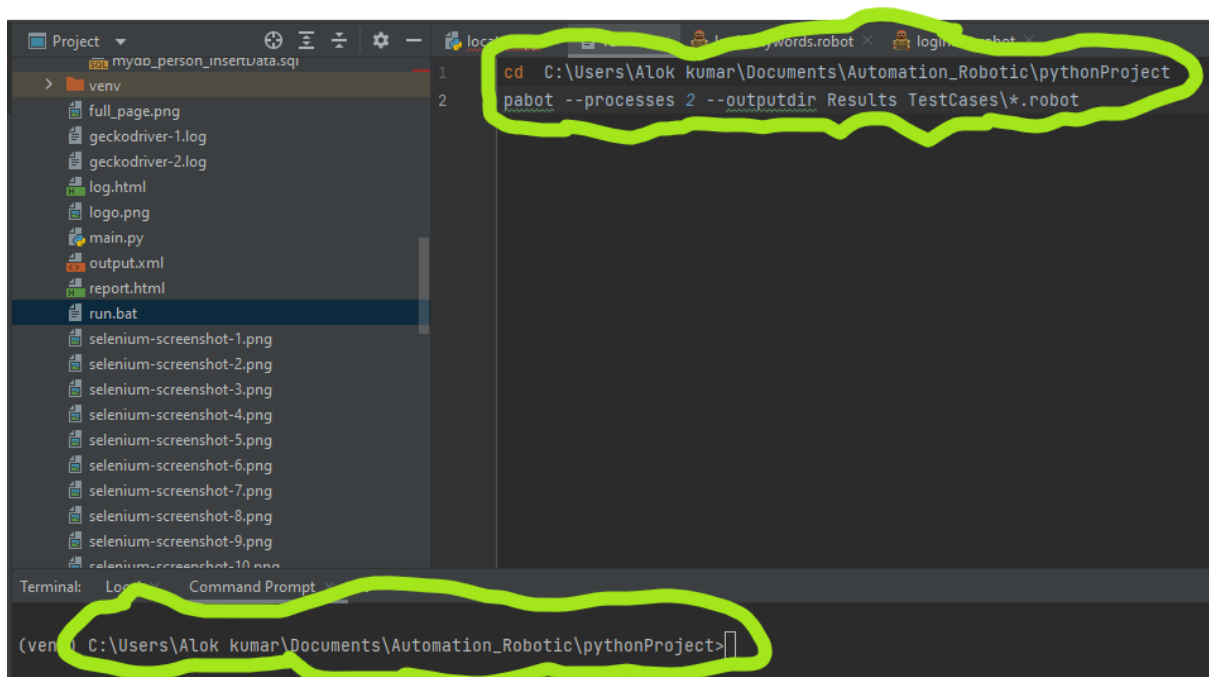
For this there is a package you need to install :- `pip install -U robotframework-pabot` or go to project interpreter open package installer (+) -> click on this and search “robotframework-pabot and click on install.

Now run parallel tests :- **pabot - - processes 2 TestCases\\*.robot**

You will see all test run in individual browsers.

Save this pabot report :- **pabot - - processes 2 --outputdir Results TestCases\\*.robot**

Run test cases automatic means without typing command on terminal for that, right click on your main folder where test cases/venv/ect file is, create new file name as **run.bat** inside that file first give location of project. Given img below will explain what code you type in this run.bat file.



To run this simply right click and select run cmd script, any your code works.