

ASSUMPTIONS


Assumption 1: You have Python and PIP installed on your machine. If not go to the following site:

<https://www.python.org/downloads/>

Assumption 2: You have a useful IDE like PyCharm Community Edition. If not go to the following site:

<https://www.jetbrains.com/pycharm/>

PYCHARM CONFIG

After creating a project in PyCharm, create a virtual environment from the FILE>SETTINGS>PROJECT>PROJECT INTERPRETER. Click the button  and select ADD, then select Virtual Environment.

At this point you need to decide what libraries you intend to use for test cases. My choices are Selenium and Excel.

Navigate to PyCharm's TERMINAL window

The following commands need to be executed one at a time:

```
pip install robotframework-seleniumlibrary
```

```
pip install robotframework-datadrivers[XLSX]
```

```
pip install robotframework-excelib
```

It is possible that you will not need to do the following, but I recommend you do it:

1. Install the latest webdriver manager: `pip install webdriver-manager`
2. I found myself having to upgrade PIP: `c:\path-to-python\python.exe -m pip install --upgrade pip` (highlighted portion requires your path to Python)
3. Install webdriver for Chrome usage:
<https://sites.google.com/a/chromium.org/chromedriver/downloads>
4. The Firefox driver is at: <https://github.com/mozilla/geckodriver/releases>
5. Install Selenium 2: `pip install --upgrade robotframework-selenium2library`

At this point we need to do these things to wrap up setup requirements:

1. Verify that the PyCharm environment is ready for Robot Framework activity.
 - a. Let us do an “Existence test for Google” to confirm Robot Framework is operational
 - i. Create/Review Robot Framework test script (lines 30 - 37)
 - ii. Example: (Give the file a name with ROBOT as the extension)

SETTINGS

Library SeleniumLibrary

TESTCASES

Test Case 1

Open Browser `http://google.com` chrome

Close Browser

- b. Let us configure the environment with directories (SEE THE ZIP FILES IN LECTURE 7)
 - i. Resource – Our resource files will be located here
 - ii. Results – Robot Framework will locate test results data here
 - iii. TestSuite – Our test Robot Framework scripts will reside here
 - iv. Run the RF script from the Terminal area of PyCharm
- 2. Enter Command in Terminal: Robot -d Results TestSuite/scriptname.robot
- 3. Press the ENTER key
- 4. Let us conduct a manual usability test against our target test application.
 - a. Is it available from my machine?
 - b. Does my browser display it?
 - c. Can I login or navigate to other pages?