Test Automation with Robot Framework

I.   **Installing Robot framework:**

Step 1 : Install Python

Visit the following website to download Python software.

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

Download the latest version for your operating system (eg: Windows)

Double-click the Python software to begin the installation.

You can click on 'Install Now' to install the default package. It comes with pip, IDLE, and documentation. Alternatively, you can choose 'Customize installation' to select the features of your choice.

Notice that the Setup offers an option '**Add Python 3.8 to PATH'**. When you check this box, the tool will automatically update the path of Python in environment variables.

Once finished, you'll see a thank you note for Mark Hammond who contributed for the Python Windows tool.

To check if Python and pip are correctly installed, open the command prompt, and run the version command.

    python --version

    pip --version

Note that pip gets installed along with python by default.

Now, Python and pip are installed and ready for use.

Step 2: Install Robot Framework

Open the command prompt and navigate to the python folder and type the following command:

```
pip install robotframework==3.2.1
```

Robot Framework is successfully installed. You can check it using the version command.
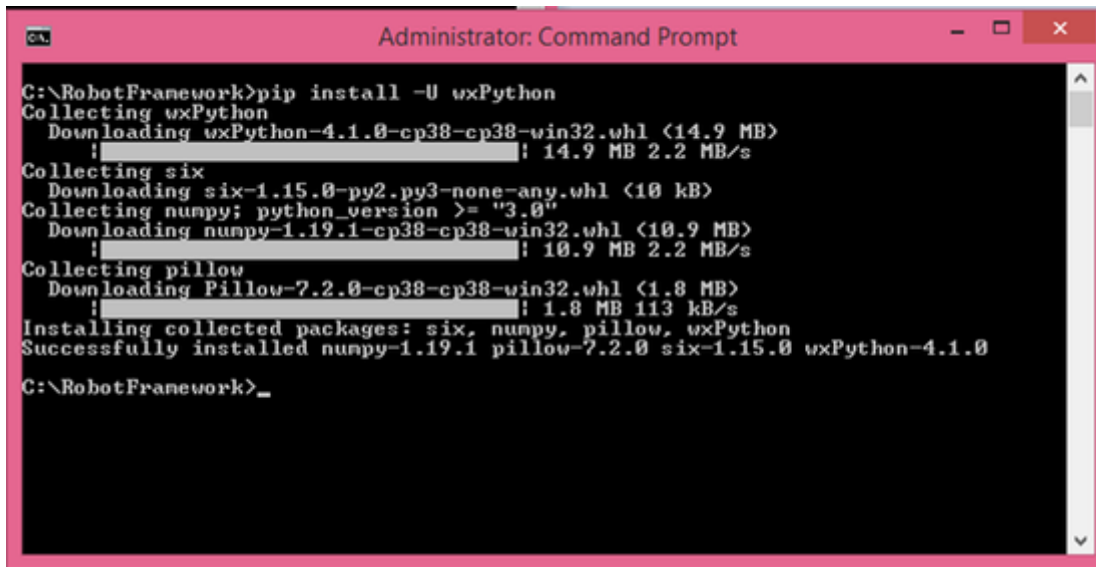
    robot --version

Step 3 : Install wxPython

Download wxPython software from the following link:

Open the command prompt and type the following command:

    pip install -U wxPython

Now, wxPython version 4.1.0 is successfully installed.

Step 4: Install SeleniumLibrary 3.2.0

just run

```
pip install --upgrade robotframework-seleniumlibrary
```

to install the latest available release or use

```
pip install robotframework-seleniumlibrary==3.2.0
```

Step 5: Install Eclipse with RED plugin

Eclipse(RED robot editor)

*Visit the following website to download Eclipse:

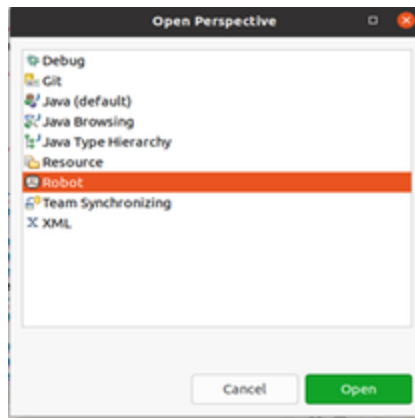https://www.eclipse.org/downloads/

*Install Eclipse

*Open Eclipse
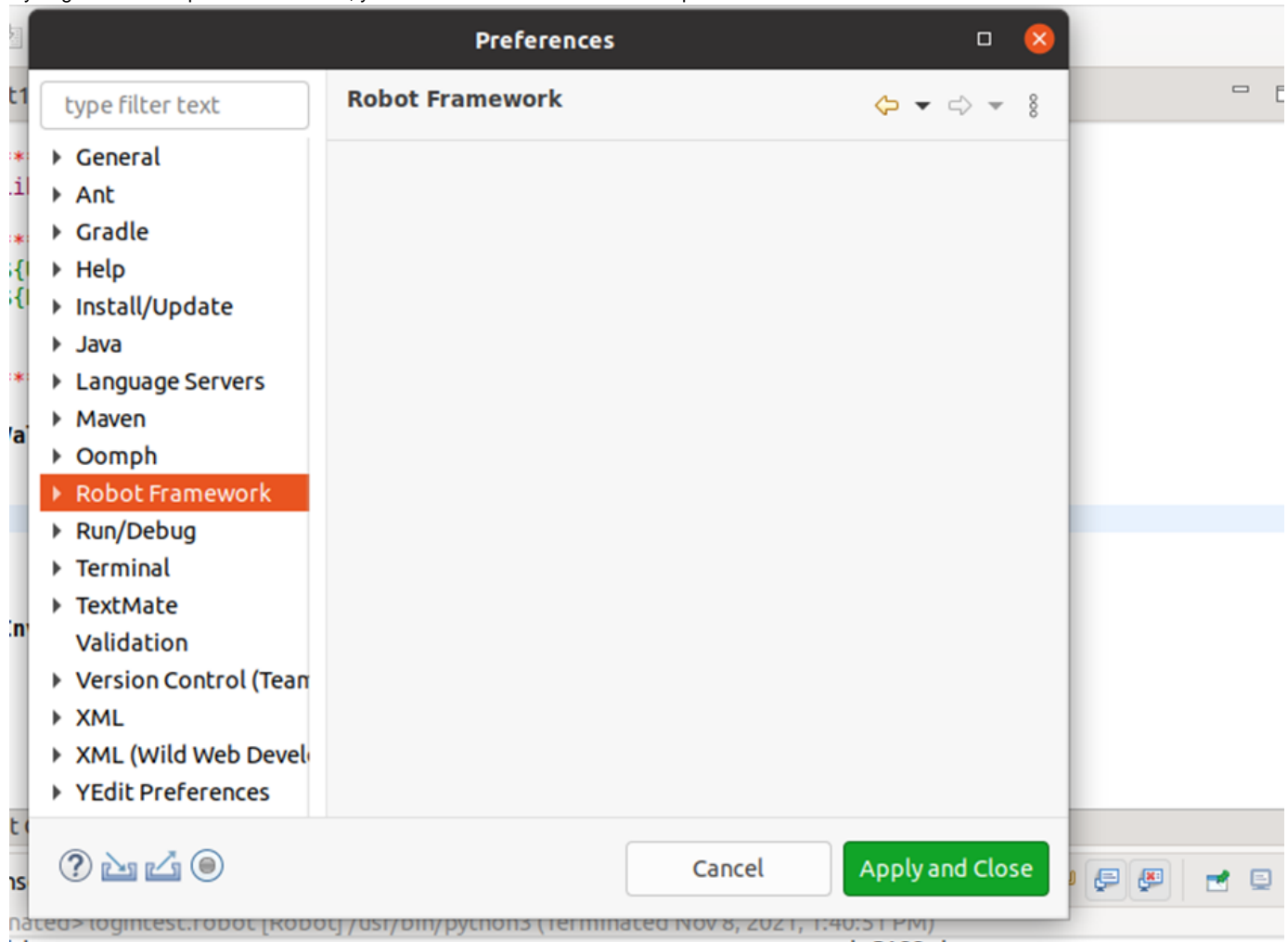
*Help> Eclipse Marketplace

*Search for RED robot editor

*Install and restart Eclipse

To check the installation, go to window>Perspective>Open Perspective>other and here you should have a perspective for Robot

If you go to window>preferences> here, you should find a Robot framework option

Step 5: Webdriver set up and configuration

- Download the ChromeDriver binary for your platform from this link **downloads**
- Once the zip file is downloaded for the operating system, unzip it to retrieve the chromedriver.exe executable file. Copy this file to a specific location of your choice.
- Now copy the path where the ChromeDriver file is saved to set the system properties in environment variables. Follow the steps below to set the path in the environment variables:
    1. Right-click on **My Computer** and click on **Properties**
    2. Click on the **Change settings** option and then click on the **Advanced tab**
    3. Now select the **Environmental variables** from the **Advanced tab**
    4. Now, from the available options under system variables, select the **Path** option and click on **Edit**

5. At the end of the string, enter a semicolon ';' and paste the path of your ChromeDriver file that you copied earlier, and click OK.
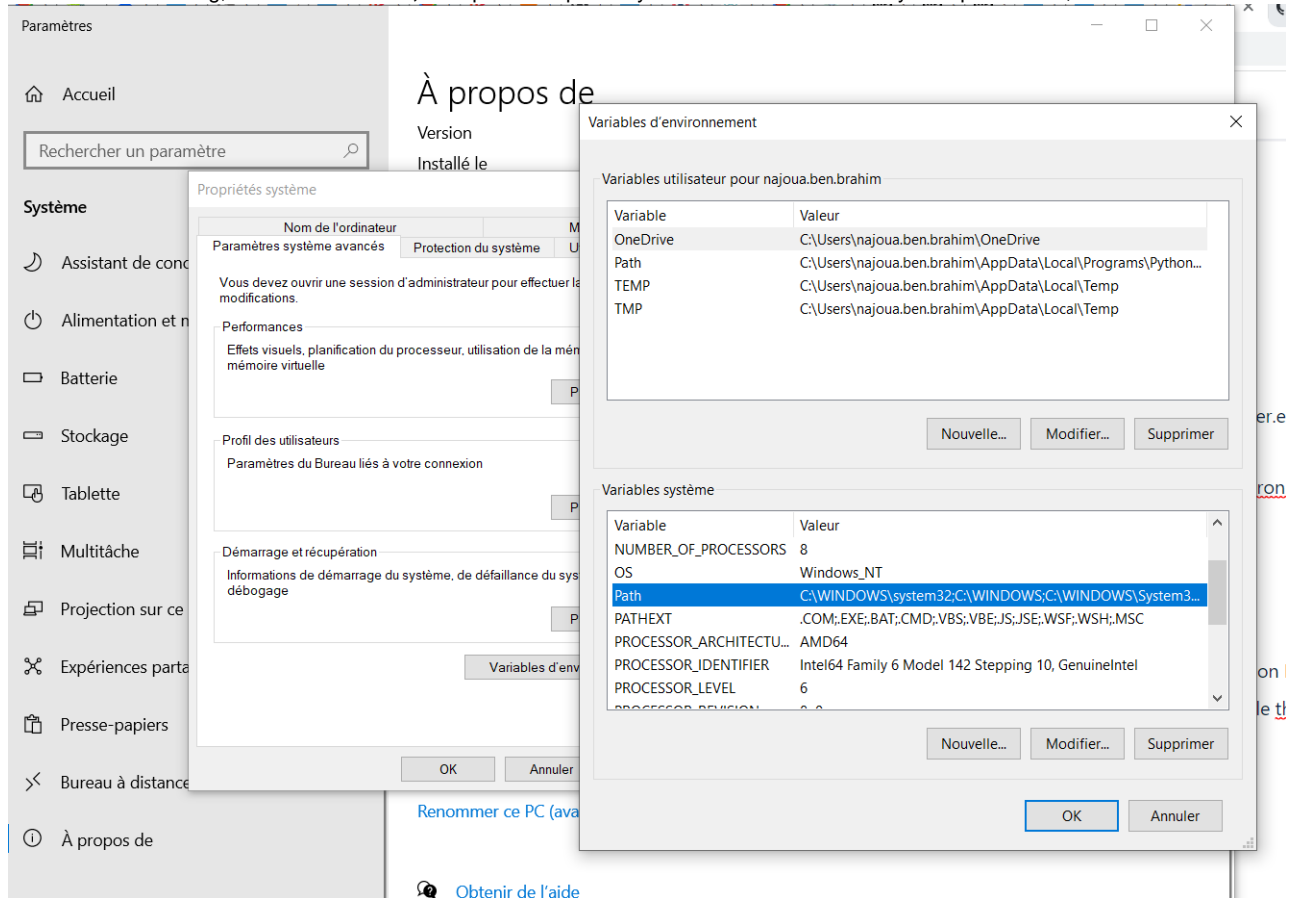
Variables d'environnement   ✕

Modifier la variable d'environnement   ✕

%SystemRoot%\system32	Nouveau
%SystemRoot%	
%SystemRoot%\System32\Wbem	Modifier
%SYSTEMROOT%\System32\WindowsPowerShell\v1.0\	
%SYSTEMROOT%\System32\OpenSSH\	Parcourir...
C:\ProgramData\chocolatey\bin	
C:\Users\najoua.ben.brahim\chromedriver_win32	Supprimer
C:\Program Files\Git\cmd	

Déplacer vers le hau

Déplacer vers le bas

Modifier le texte...

OK   Annuler

OK   Annuler