

# Getting Started with Test Automation

Here are the prerequisites for running this acceptance testing framework.

1. Python with PIP
2. Robot Framework
3. Selenium IDE
4. Postman
5. Visual Studio Code

## Step 1: Installing Python on Windows

<https://robotframework.org/robotframework/latest/RobotFrameworkUserGuide.html>

Visit the following website to download Python software.

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

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



### Download

Python source code and installers  
are available for download for all  
versions!

Latest: [Python 3.11.3](#)

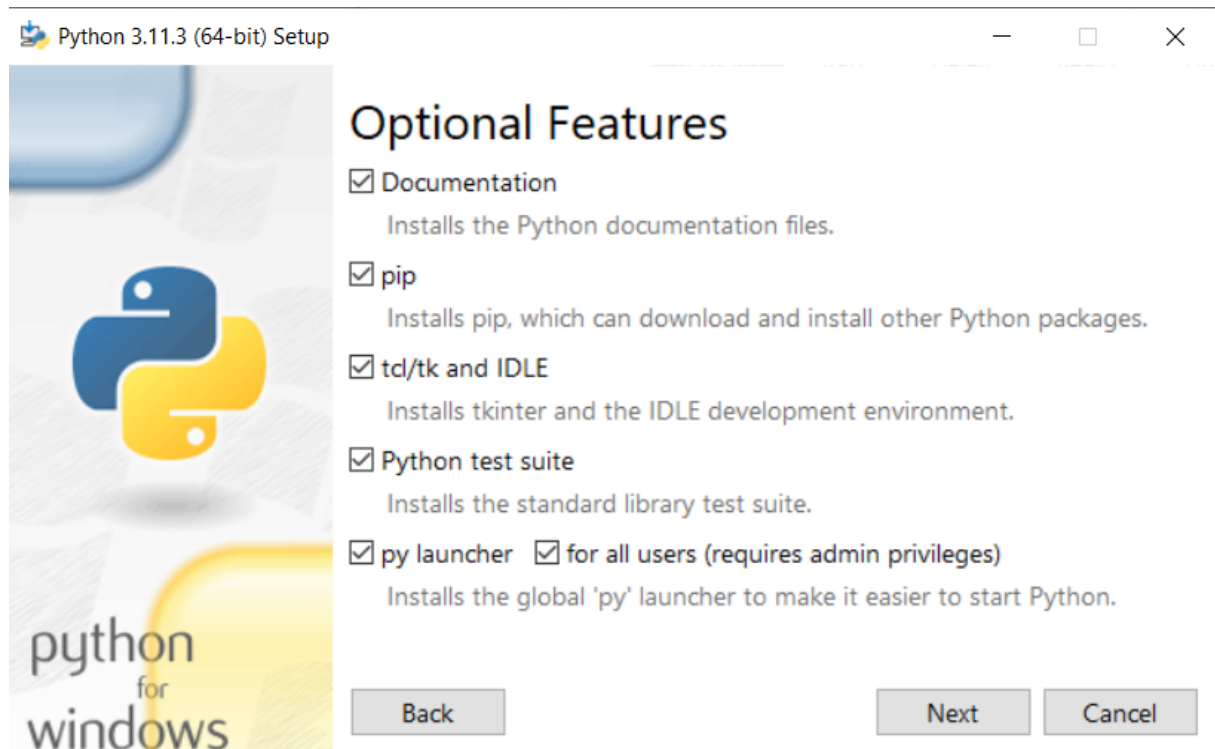
Double-click the Python software to begin the installation.

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

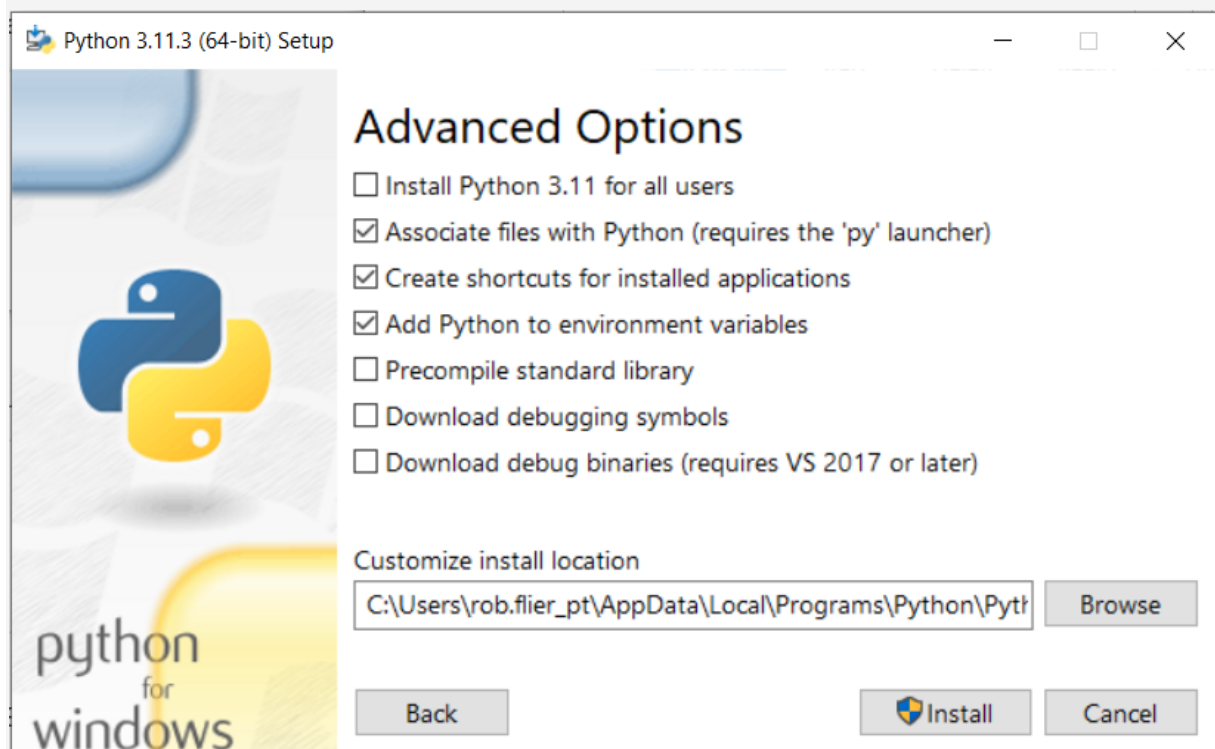
Tick both boxes "Use admin privileges" and "Add python.exe to PATH".



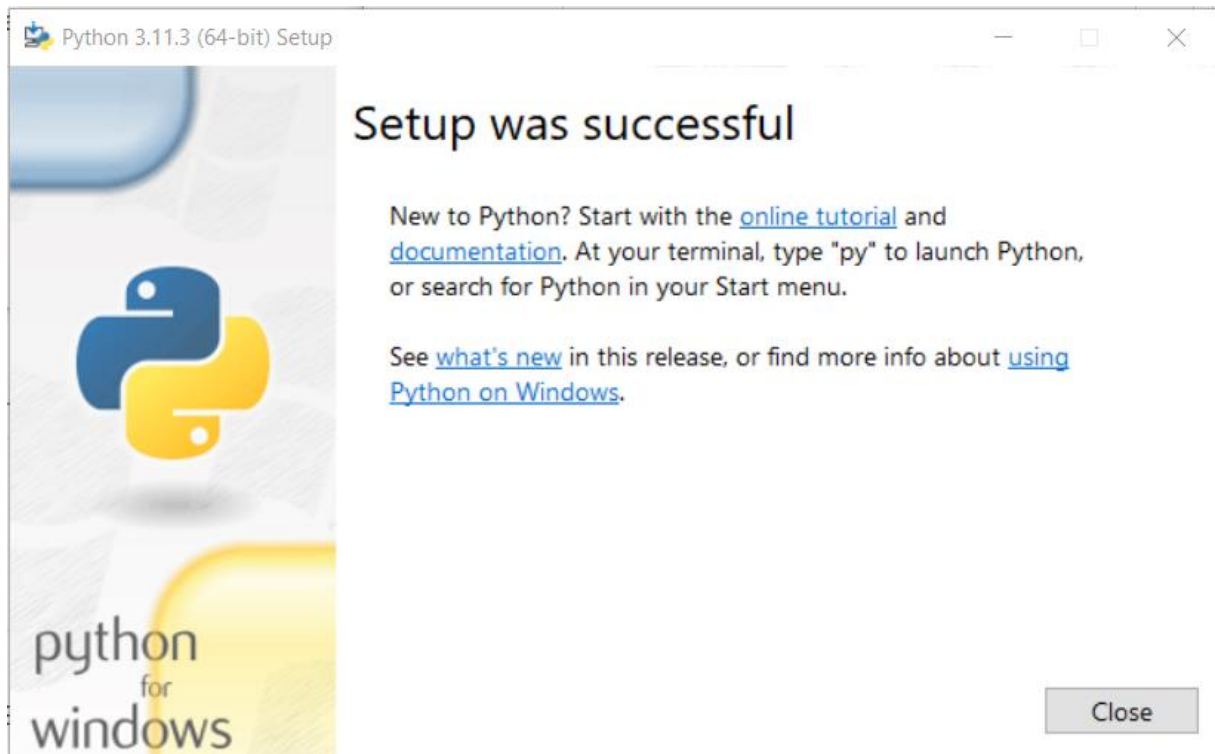
You can click on 'Install Now' to install the default package. It comes with pip, IDLE, and documentation. Alternatively, you can choose 'Customize installation' to select the features of your choice.



Customize the installation options and choose the location and click Install to begin the installation procedure.



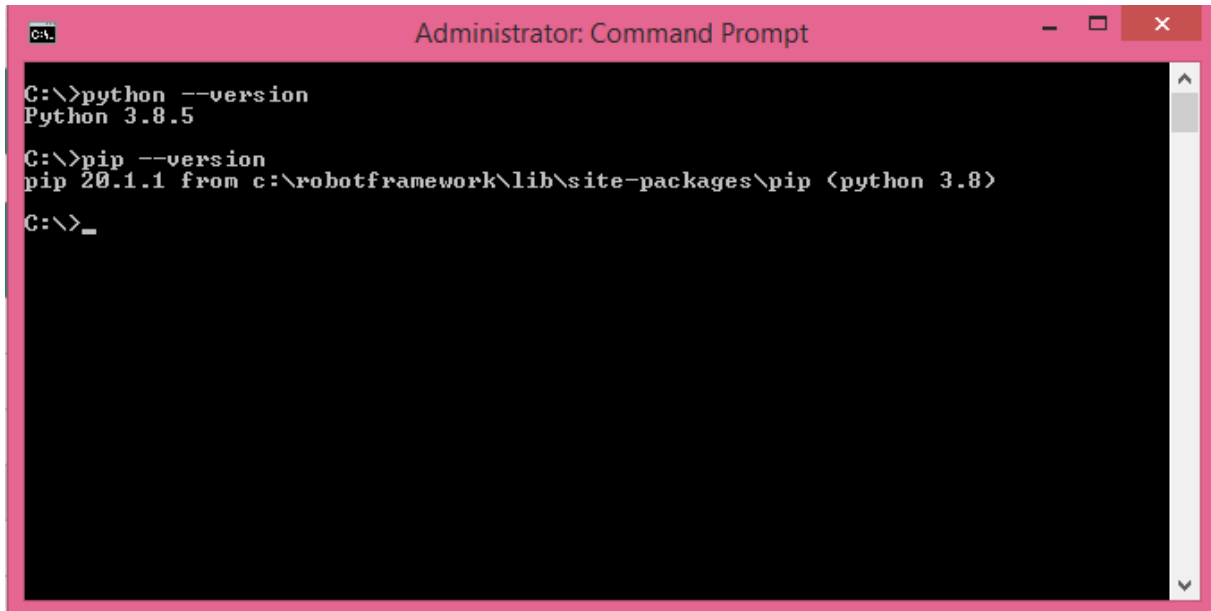
Once finished, you'll see a thank you note for Mark Hammond who contributed for the Python Windows tool.



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.



```
C:\>python --version
Python 3.8.5

C:\>pip --version
pip 20.1.1 from c:\robotframework\lib\site-packages\pip (python 3.8)

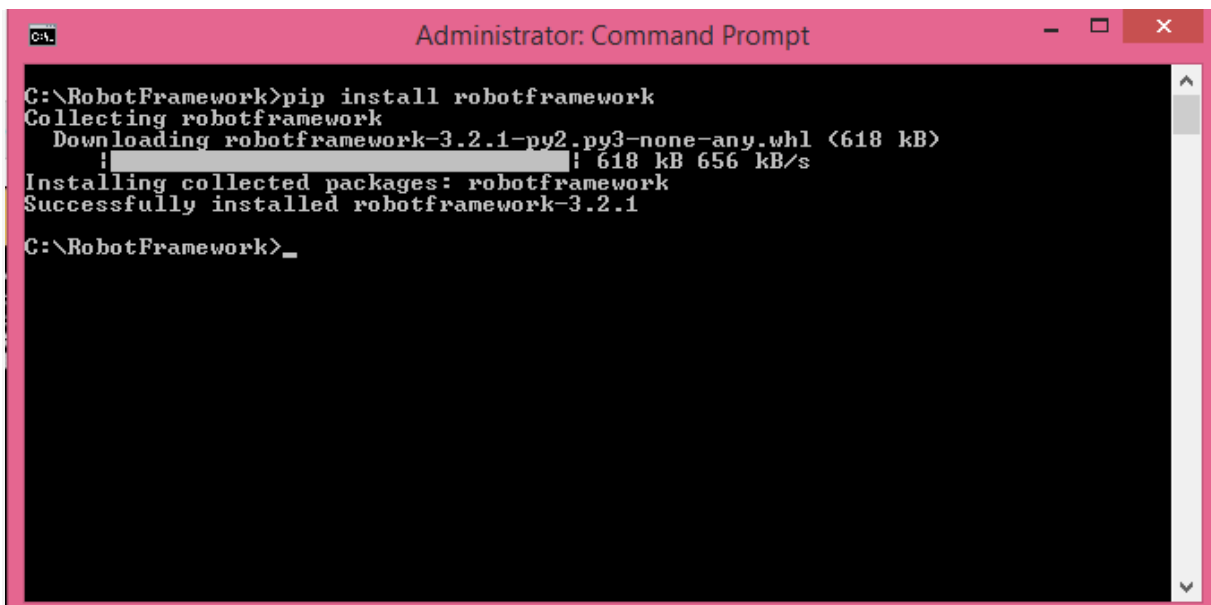
C:\>_
```

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`



```
C:\RobotFramework>pip install robotframework
Collecting robotframework
  Downloading robotframework-3.2.1-py2.py3-none-any.whl (618 kB)
    |#####| 618 kB 656 kB/s
Installing collected packages: robotframework
Successfully installed robotframework-3.2.1

C:\RobotFramework>_
```

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

- `robot --version`

Furthermore we need a few libraries.

Install the SeleniumLibrary by typing the following command:

```
pip install robotframework-seleniumlibrary
```

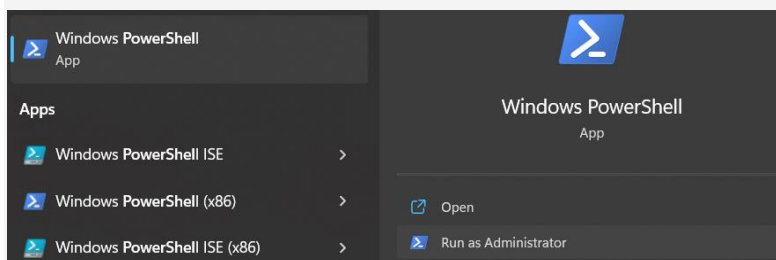
Install the RequestsLibrary by typing the following command:

```
pip install robotframework-requests
```

Install Webdrivermanager by typing the following command:

```
pip install webdrivermanager
```

Install Chromedriver by typing the following command in Powershell (Run as Administrator)



```
choco install chromedriver
```

```
PS C:\WINDOWS\system32> choco install chromedriver
Chocolatey v0.10.11
Installing the following packages:
Chromedriver
By installing you accept licenses for the packages.
Progress: Downloading chromedriver 84.0.4147.300... 100%
chromedriver v84.0.4147.300 [Approved]
chromedriver package files install completed. Performing other installation steps.
The package chromedriver wants to run 'chocolateyinstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[N]o/[P]rint): Y

Downloading packageName
```

```
from 'https://chromedriver.storage.googleapis.com/84.0.4147.30/chromedriver_win32.zip'
Progress: 100% - Completed download of
C:\Users\robfl\AppData\Local\Temp\chocolatey\chromedriver\84.0.4147.300\chromedriver_win32.zip (4.63 MB).
Download of chromedriver_win32.zip (4.63 MB) completed.
Hashes match.
Extracting C:\Users\robfl\AppData\Local\Temp\chocolatey\chromedriver\84.0.4147.300\chromedriver_win32.zip to
C:\ProgramData\chocolatey\lib\chromedriver\tools...
C:\ProgramData\chocolatey\lib\chromedriver\tools
ShimGen has successfully created a shim for chromedriver.exe
The install of chromedriver was successful.
Software installed to 'C:\ProgramData\chocolatey\lib\chromedriver\tools'

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
```

```
chromedriver --version
ChromeDriver 84.0.4147.30 (48b3e868b4cc0aa7e8149519690b6f6949e110a8-refs/branch-heads/4147@{#310})
```

Sources:

<https://robotframework.org/robotframework/latest/RobotFrameworkUserGuide.html>

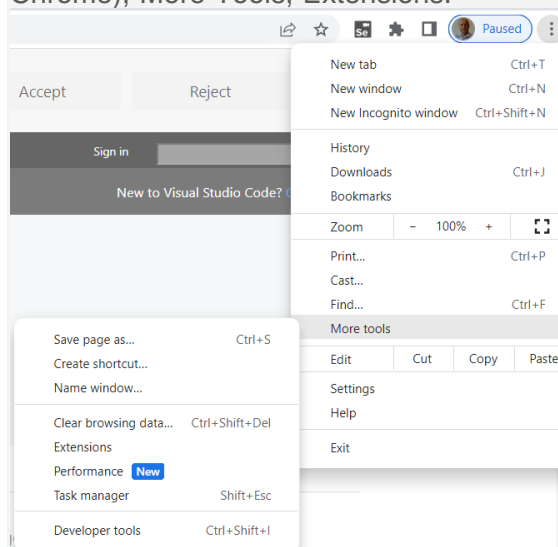
<https://www.python.org/>

<https://docs.python.org/3/using/windows.html>

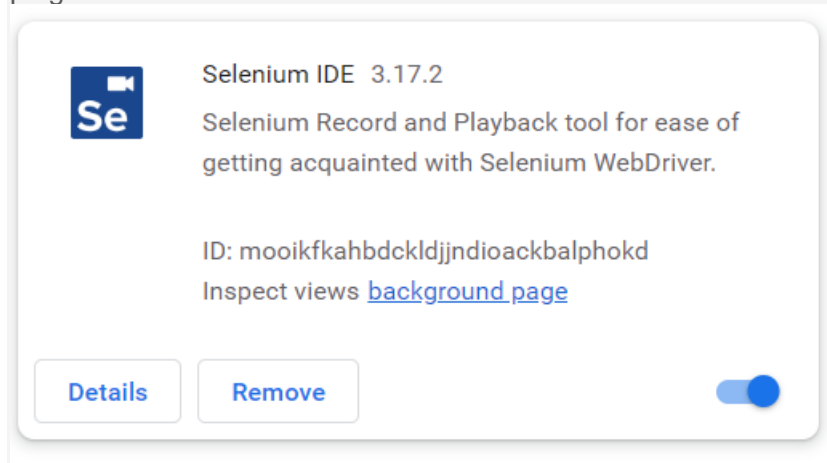
## Step 3: Install Selenium IDE plug-in

Open your chrome browser by clicking on the 3 dots (Customize and control Google

Chrome), More Tools, Extensions.



Type in “selenium ide” in search field and the plug-in extension will be revealed. Install the plug-in.




## Step 4: Install Postman

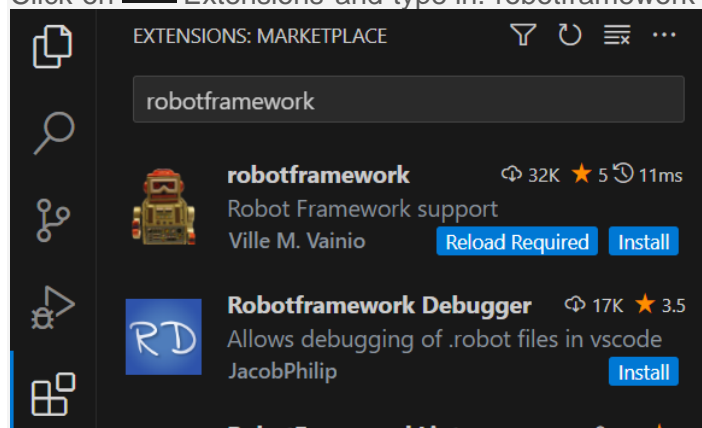
Get Postman for Windows: <https://www.postman.com/downloads/> and follow the instructions.

## Step 5: Install Visual Studio Code

<https://code.visualstudio.com/download>

Install Extensions: robotframework

Click on  Extensions and type in: robotframework and click on Install.





when everything is finished your installation is successfully executed.  
You are now able to use all tools.