

# Proty Automation Guidebook

V1.0

# Requirements

## A. Python Version

The recommendation Python version is 3.12.x

## B. Python Libraries

The mandatory library are:

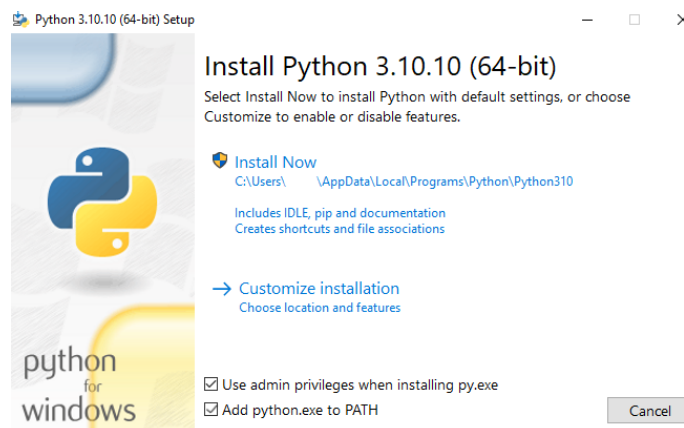
- argparse
- openpyxl
- pandas
- openpyxl\_image\_loader
- colorama

All needed libraries also could be found in **requirement.txt**. For convenience use Proty, we recommend you to read [FaQ → How to Install Python Libraries](#)

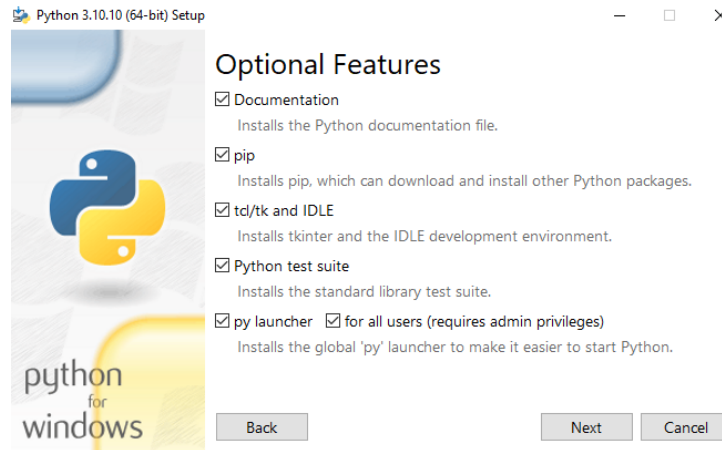
# FaQ

## 1. How to Install Python 3.12.x

1. Download python at <https://www.python.org/downloads/>
2. After the installer is downloaded, **double-click the .exe file**, for example python-3.10.10-amd64.exe, to run the Python installer.
3. Select the **Install launcher for all users checkbox**, which enables all users of the computer to access the Python launcher application.
4. Select the **Add python.exe to PATH** checkbox, which enables users to launch Python from the command line.

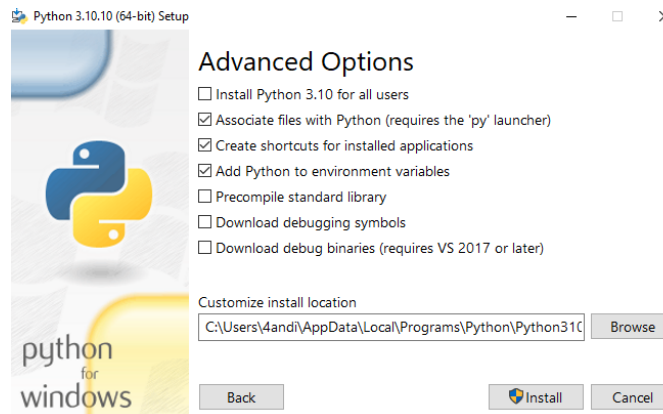


5. If you're just getting started with Python and you want to install it with default features as described in the dialog, then click **Install Now**. To install other optional and advanced features, click **Customize installation** and continue.
6. The **Optional Features** include common tools and resources for Python and you can install all of them, even if you don't plan to use them.



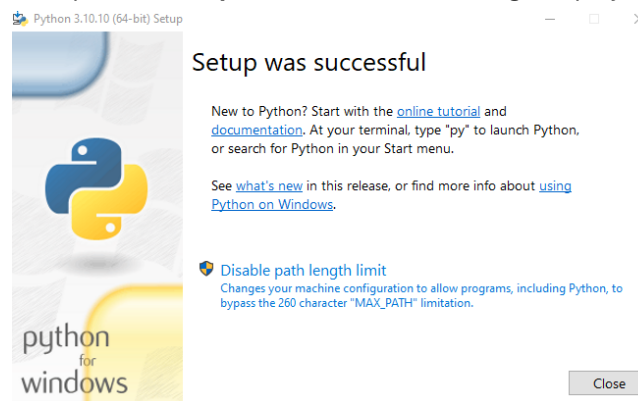
7. Click **Next**.

8. The **Advanced Options** dialog displays



9. Click **Install** to start the installation

10. After the installation is complete, a **Setup was successful** message displays



## 2. How to Install Python Libraries

Open Power Shell or cmd and go to **requirements.txt** stored. Type **pip install -r requirements.txt**  
 You can go 'How to Open CMD Through File Explorer'

```
C:\Users\agust\Downloads\Proty> pip install -r requirements.txt
```

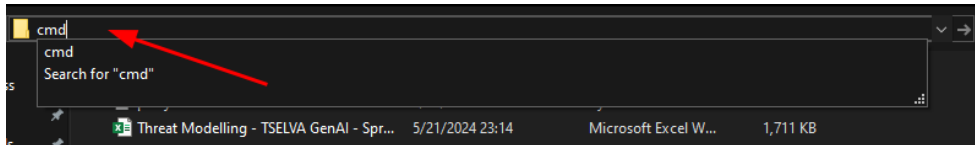
### 3. How to install pip

If you uncheck pip during install python, you can install pip through command line.

1. Open cmd
2. Type **python -m pip install -U pip**

### 4. How to Open CMD Through File Explorer

Open **File Explorer** and go to proty.py stored. On Address Bar, type **cmd** → **Enter**



## How to Use

1. Make sure you have installed python and the libraries. If you have not, please read 'How to' in FaQ section.
2. Open you cmd (command prompt) and go to the folder that stored **proty.py**
3. Type **python proty.py -f <file\_name>**. The alternative of **-f** is **-file**
4. If you use **-f** options, make sure proty.py and the file that you want to calculate is at the same folder.
5. If you need help, you can use **-h** or **-help** options.

```
PS C:\Users\agust\Downloads\Proty> python .\proty.py -h

PROTY AUTOMATE
Work Happily

usage: proty.py [-h] [-f FILE] [-p PATH]

Count test cases in an Excel file.

options:
  -h, --help            show this help message and exit
  -f FILE, --file FILE  Name of the Excel file without extension
  -p PATH, --path PATH  Path to the Excel file or directory containing the Excel file
```

6. The result will be displayed like this

```
PS C:\Users\agust\Downloads\Proty> python .\proty.py -f '.\Threat Modelling - TSELVA GenAI - Sprint 26'

PROTY AUTOMATE
Work Happily

[*] Checking 'Positive Testing' Sheet is exist ...done
[*] Sheet 'Positive Testing' is exists ...done
[*] Calculating API...
[*] The number of APIs tested are: 1 ...done
[*] Total Test Case of 'Veronika Channel (IG)' is: 7 ...done
[*] Total Test Case of 'Veronika (UI) - FollowUp Ticket' is: 9 ...done
[*] Total Test Case for Threat Modelling - TSELVA GenAI - Sprint 26.xlsx are: 16
[*] Protty has counted, now Protty wants to sleep
Protty sleep...
```

7. Remember, do not add **.xlsx** at <file\_name>, or proty will get angry!