

# Python Installation Manual - With Libraries

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## DOWNLOADING AND INSTALLING PYTHON 3.8

We will go to the site <https://www.python.org/downloads/> and follow the next instructions:

Scroll down and find this frame

| Release version                     | Release date   |                                                                                                                |
|-------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------|
| <a href="#">Python 3.9.0</a>        | Oct. 5, 2020   |  <a href="#">Download</a>   |
| <a href="#">Python 3.8.6</a>        | Sept. 24, 2020 |  <a href="#">Download</a>   |
| <a href="#">Python 3.5.10</a>       | Sept. 5, 2020  |  <a href="#">Download</a>   |
| <a href="#">Python 3.7.9</a>        | Aug. 17, 2020  |  <a href="#">Download</a>   |
| <a href="#">Python 3.6.12</a>       | Aug. 17, 2020  |  <a href="#">Download</a>   |
| <a href="#">Python 3.8.5</a>        | July 20, 2020  |  <a href="#">Download</a>   |
| <a href="#">Python 3.8.4</a>        | July 13, 2020  |  <a href="#">Download</a>  |
| <a href="#">Python 3.7.8</a>        | June 27, 2020  |  <a href="#">Download</a> |
| <a href="#">View older releases</a> |                |                                                                                                                |

download python 3.8.X (x means some version) and proceed with selecting the version you need to install

Scroll down and find this frame

| Version                                             | Operating System | Description             |
|-----------------------------------------------------|------------------|-------------------------|
| <a href="#">Gzipped source tarball</a>              | Source release   |                         |
| <a href="#">XZ compressed source tarball</a>        | Source release   |                         |
| <a href="#">macOS 64-bit installer</a>              | Mac OS X         | for OS X 10.9 and later |
| <a href="#">Windows help file</a>                   | Windows          |                         |
| <a href="#">Windows x86-64 embeddable zip file</a>  | Windows          | for AMD64/EM64T/x64     |
| <a href="#">Windows x86-64 executable installer</a> | Windows          | for AMD64/EM64T/x64     |
| <a href="#">Windows x86-64 web-based installer</a>  | Windows          | for AMD64/EM64T/x64     |
| <a href="#">Windows x86 embeddable zip file</a>     | Windows          |                         |
| <a href="#">Windows x86 executable installer</a>    | Windows          |                         |
| <a href="#">Windows x86 web-based installer</a>     | Windows          |                         |

Download the windows installer, double click the executable and install for all users.

## INSTALLING LIBRARIES

Now, Linux and Mac users can simply do:

```
$ sudo apt update
$ sudo apt -y upgrade

$ python3 -V

$ sudo apt install -y python3-pip

$ python -m pip install --upgrade pip
$ pip install matplotlib
$ pip install pandas
$ pip install numpy
$ pip install tkinter
```

Now, Windows users have to use the CMD and type “pip install [library]” and that would be all. Example:

```
> python -m pip install --upgrade pip
> pip install matplotlib
```