

# PC Manager v3.4

Welcome to PC Manager readme file. Before run the main Python script, you need to setup your computer. This readme file will help you to do it.

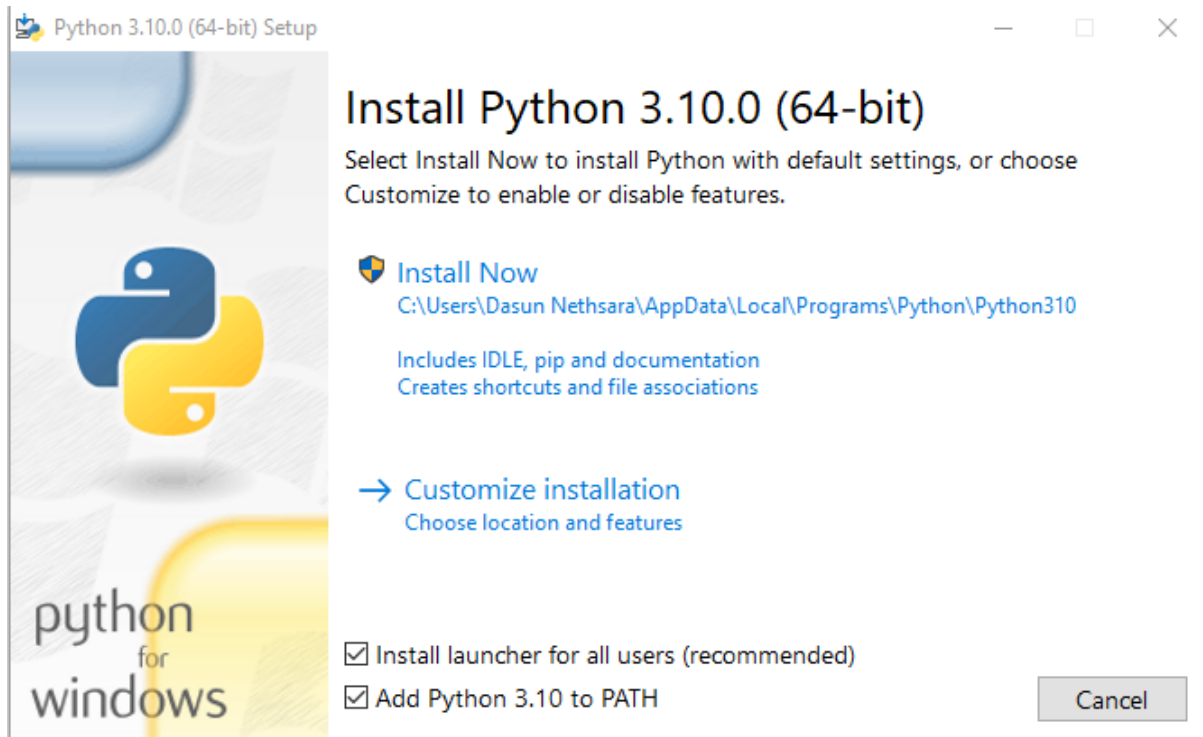
## Step 1: Download the interpreter.

[Download](#) the "Python Interpreter Program" (Python 3.8.2 \* recommended).

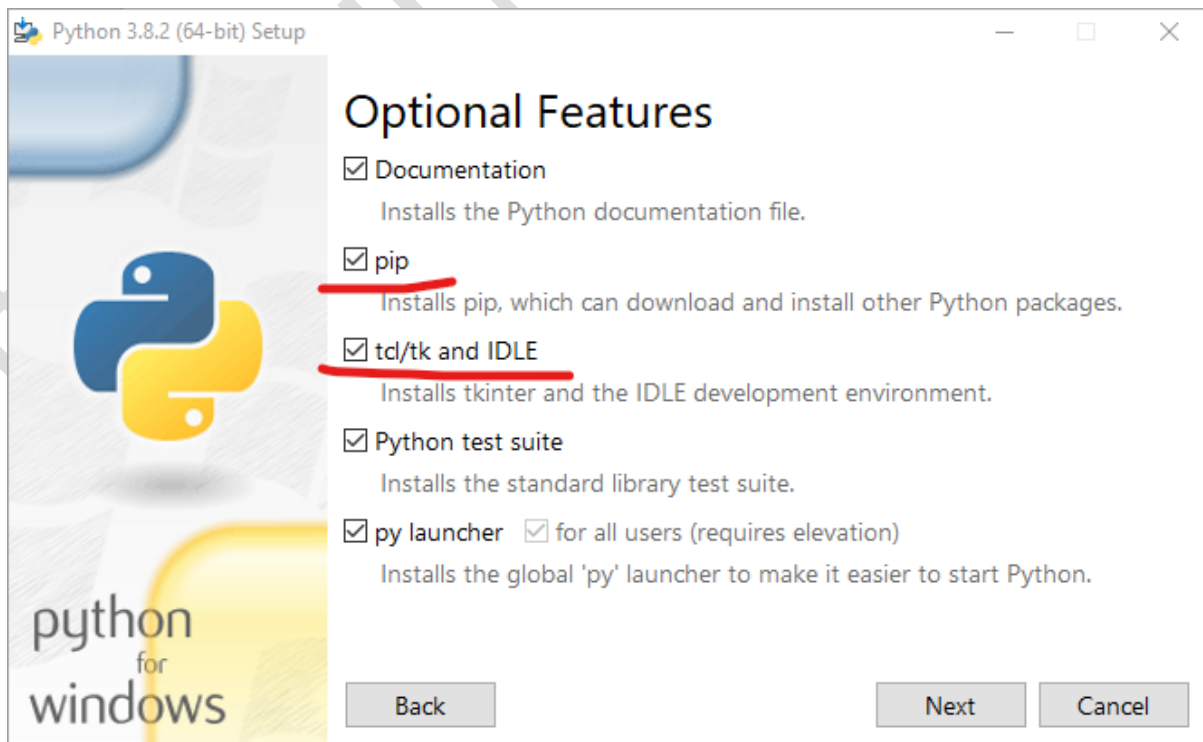
A screenshot of the Python 3.8.2 release page. The page has a dark blue header with navigation links: Python, PSF, Docs, PyPI, Jobs, and Community. Below the header is the Python logo, a 'Donate' button, a 'Menu' icon, a search bar, and 'AA' and 'Socialize' links. The main content area is white and features the title 'Python 3.8.2' in a large, bold font. Below the title, it says 'Release Date: Feb. 24, 2020'. The text continues: 'This is the second maintenance release of Python 3.8'. A 'Note' follows: 'The release you're looking at is Python 3.8.2, a bugfix release for the legacy 3.8 series. Python 3.9 is now the latest feature release series of Python 3. Get the latest release of 3.9.x here.' A section titled 'Major new features of the 3.8 series, compared to 3.7' lists various updates, including PEP 572, PEP 570, PEP 587, PEP 590, PEP 578, PEP 574, typing-related changes (PEP 591, PEP 586, PEP 589), parallel filesystem cache, debug builds, f-strings, 'continue' in 'finally' blocks, 'asyncio' event loop, 'spawn' start method, 'multiprocessing' memory segments, 'typed-ast', 'LOAD\_GLOBAL', and 'pickle'. A note at the bottom of this section says: 'There are many other interesting changes, please consult the "What's New" page in the documentation for a full list.' A 'More resources' section lists links to 'Online Documentation', 'PEP 569, 3.8 Release Schedule', 'Report bugs at https://bugs.python.org', and 'Help fund Python and its community'. Finally, a 'Windows users' section states: 'The binaries for AMD64 will also work on processors that implement the Intel 64 architecture. (Also known as the "x64" architecture, and formerly known as both "EM64T" and "x86-64".)'

## Step 2: Installation

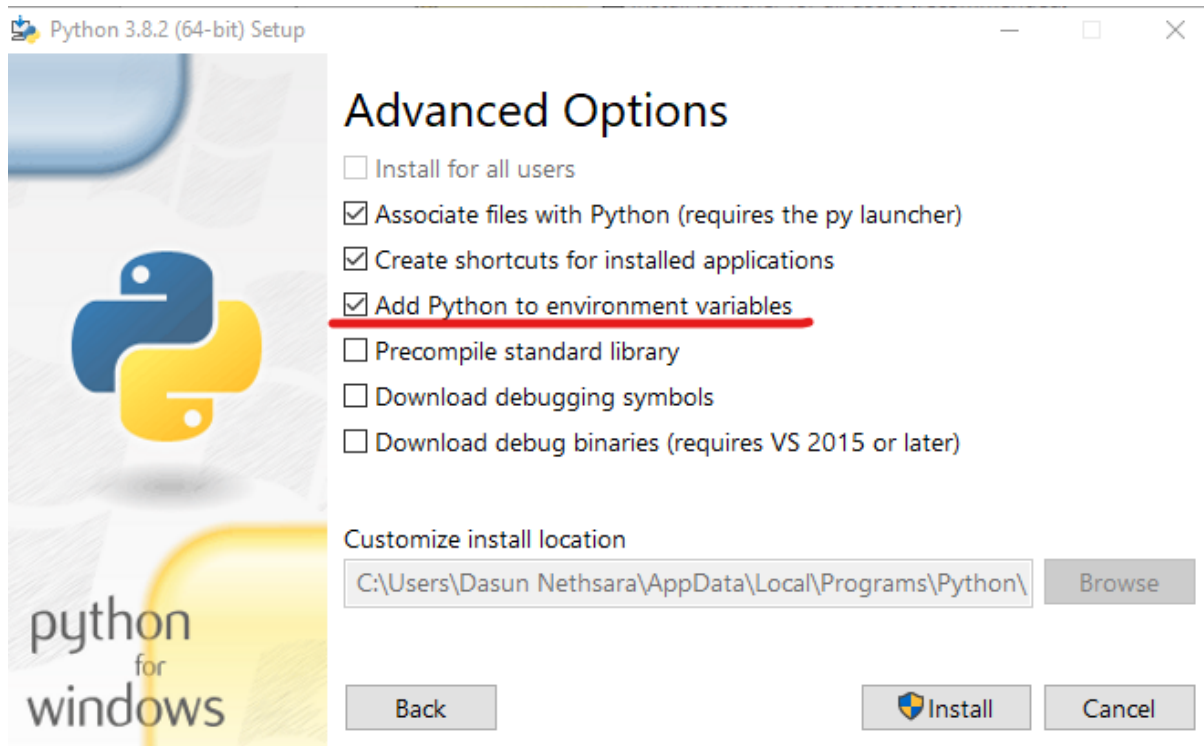
In installation process, you need to click on “Customize installation” option.



Make sure you have checked the “pip” and “tcl/tk and IDLE” options.

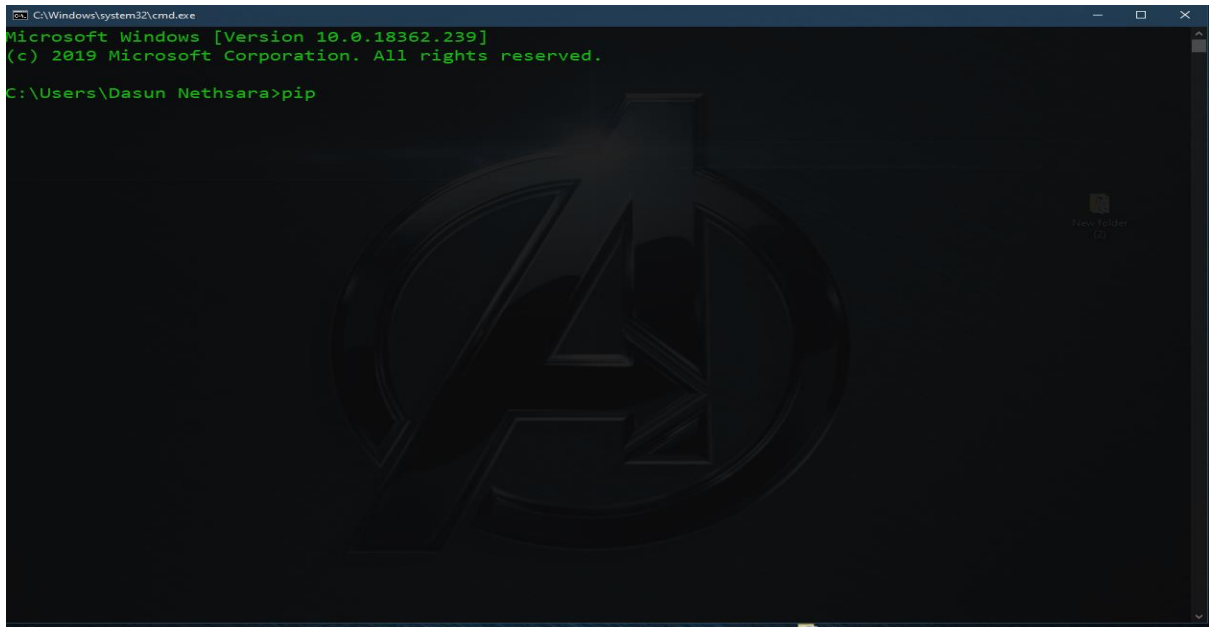


In this screen, make sure you have checked the option named “Add Python to environment variables”. And then click the “Install” button.



## Step 3: Verification

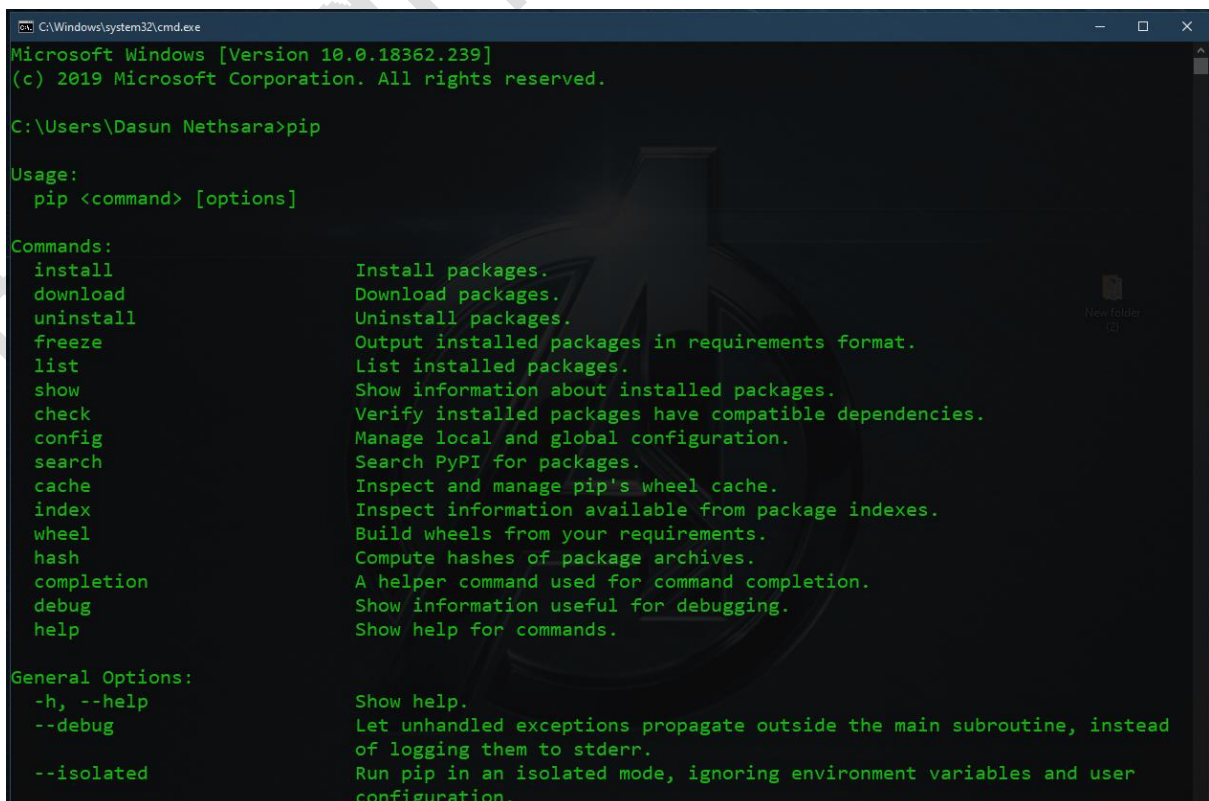
You need to verify the 'pip' (Python Package Manager) is installed correctly. To do this, you need to open 'Command Prompt' (you can open Command Prompt by searching or any other way) and then type 'pip' and hit Enter.



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Dasun Nethsara>pip
```

Then, the Command Prompt will display some commands like this.



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Dasun Nethsara>pip

Usage:
  pip <command> [options]

Commands:
  install          Install packages.
  download         Download packages.
  uninstall        Uninstall packages.
  freeze           Output installed packages in requirements format.
  list             List installed packages.
  show             Show information about installed packages.
  check            Verify installed packages have compatible dependencies.
  config           Manage local and global configuration.
  search           Search PyPI for packages.
  cache            Inspect and manage pip's wheel cache.
  index            Inspect information available from package indexes.
  wheel            Build wheels from your requirements.
  hash             Compute hashes of package archives.
  completion       A helper command used for command completion.
  debug            Show information useful for debugging.
  help             Show help for commands.

General Options:
  -h, --help       Show help.
  --debug          Let unhandled exceptions propagate outside the main subroutine, instead
                  of logging them to stderr.
  --isolated       Run pip in an isolated mode, ignoring environment variables and user
                  configuration.
```

Okay, the pip is now installed correctly...

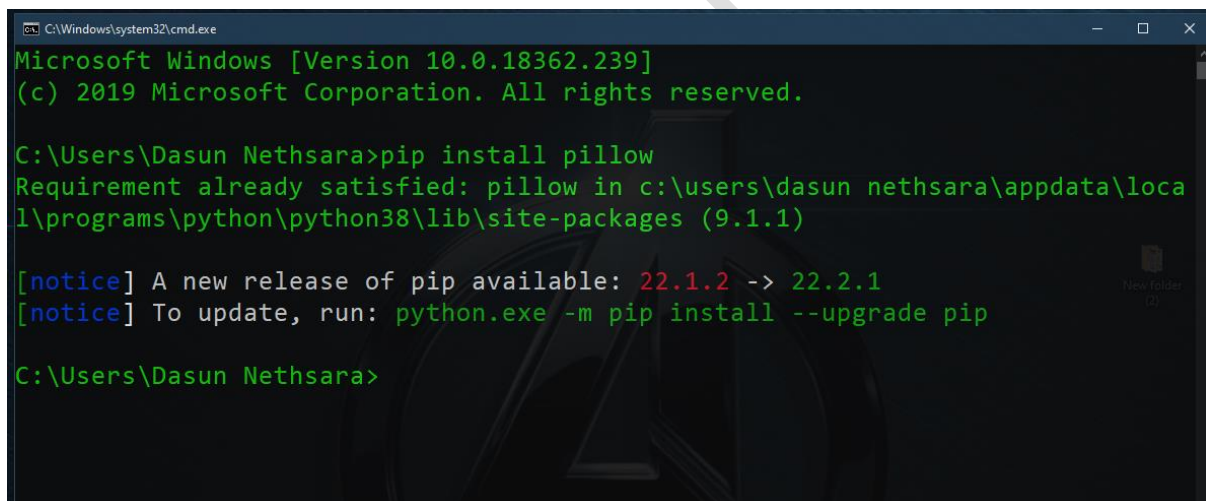
## Step 4: Module Installation

I have used three modules to develop the PC Manager. There are

- **Pillow**
- **PSUtil**
- **WMI**

So, you need to install these modules to run the Python script. To do this, you need to open Command Prompt, type these commands below and press Enter. Please make sure you have stable internet connection

```
pip install pillow
```



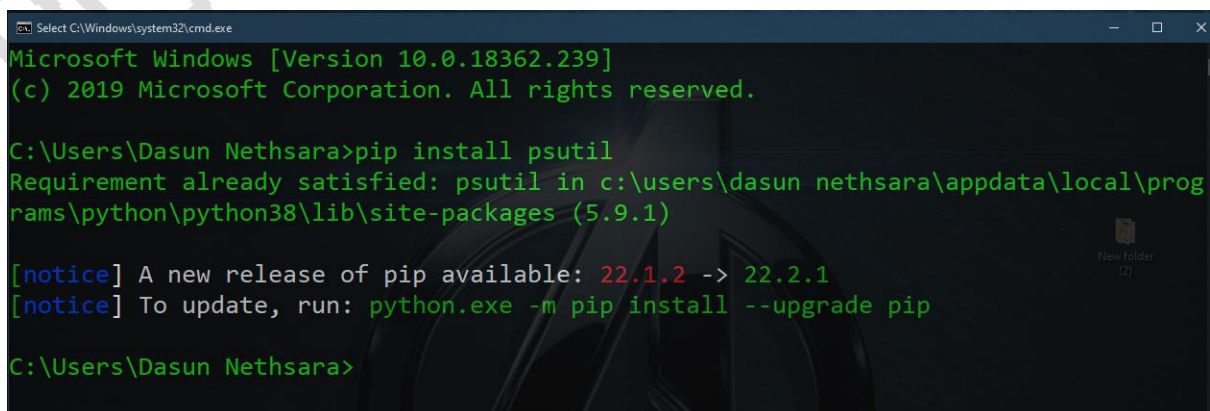
```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Dasun Nethsara>pip install pillow
Requirement already satisfied: pillow in c:\users\dasun nethsara\appdata\local\programs\python\python38\lib\site-packages (9.1.1)

[notice] A new release of pip available: 22.1.2 -> 22.2.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Dasun Nethsara>
```

```
pip install psutil
```



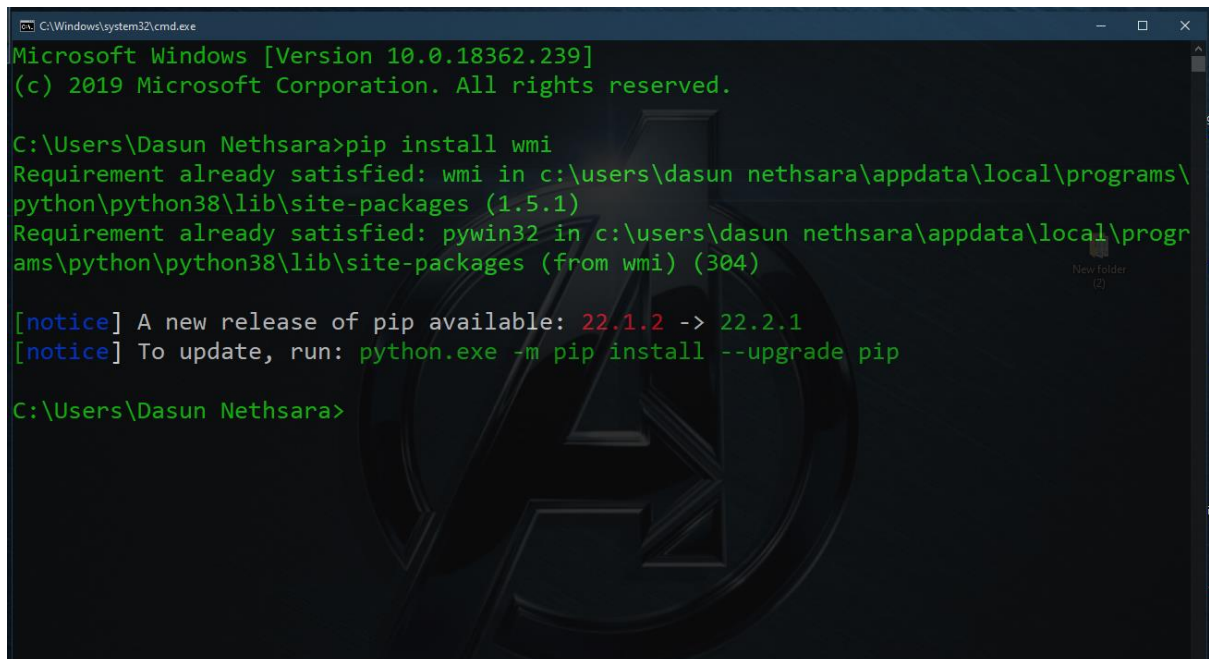
```
Select C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.18362.239]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Dasun Nethsara>pip install psutil
Requirement already satisfied: psutil in c:\users\dasun nethsara\appdata\local\programs\python\python38\lib\site-packages (5.9.1)

[notice] A new release of pip available: 22.1.2 -> 22.2.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Dasun Nethsara>
```

```
pip install wmi
```



```
Microsoft Windows [Version 10.0.18362.239]
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C:\Users\Dasun Nethsara>pip install wmi
Requirement already satisfied: wmi in c:\users\dasun nethsara\appdata\local\programs\python\python38\lib\site-packages (1.5.1)
Requirement already satisfied: pywin32 in c:\users\dasun nethsara\appdata\local\programs\python\python38\lib\site-packages (from wmi) (304)

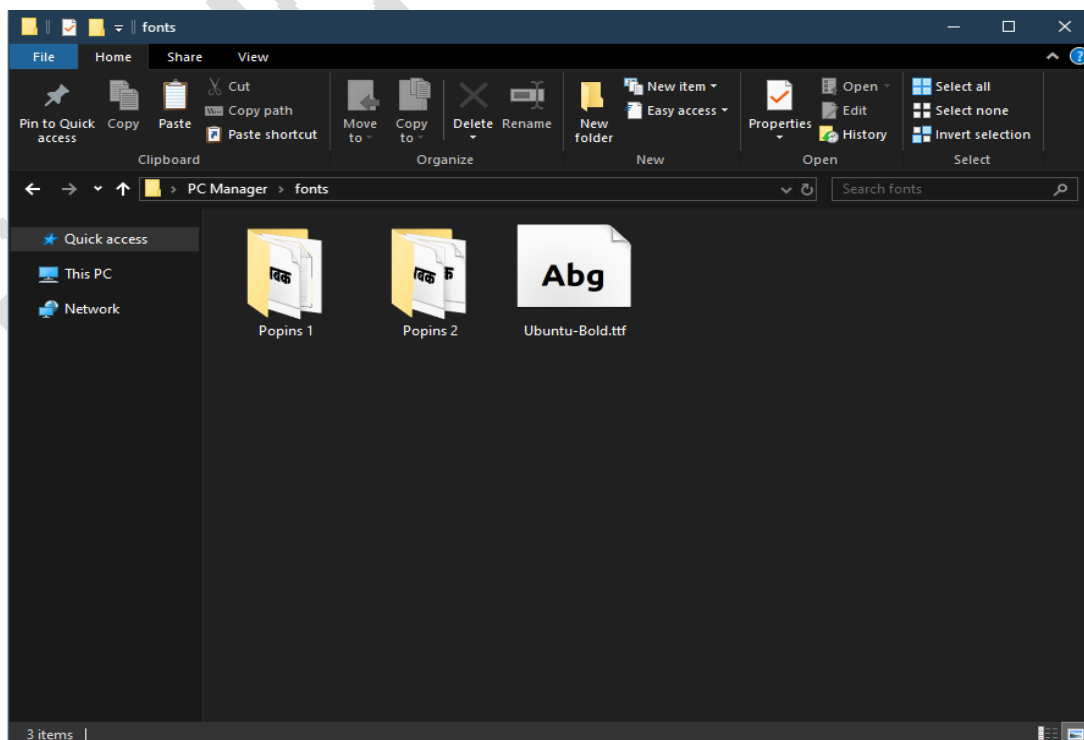
[notice] A new release of pip available: 22.1.2 -> 22.2.1
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Dasun Nethsara>
```

You have successfully installed all the modules...

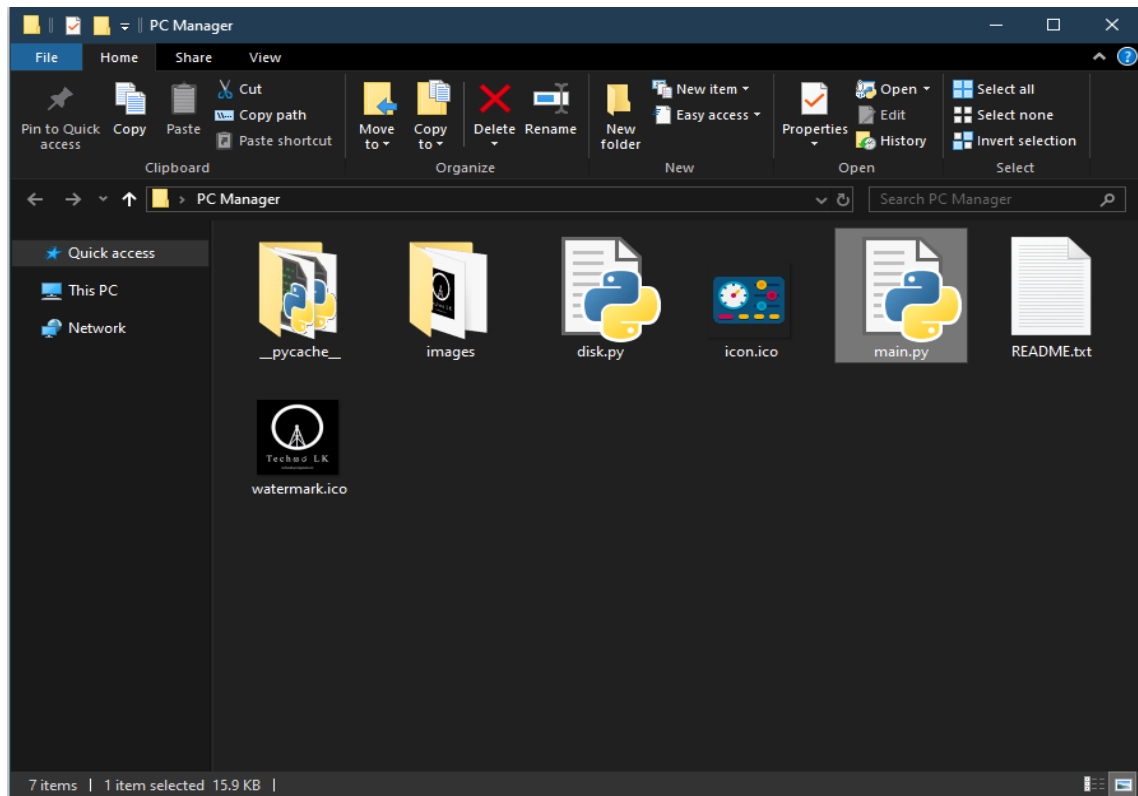
## Step 5: Fonts Installation

To display the proper output, you need to install all the fonts in the folder named "fonts".



## Step 6: Run the program

Now your computer is ready to run the PC Manager program. To run it double-click on the Python file named 'main.py' in the folder.



\* (In Page 1) - Because some modules might not be working properly in other Python releases. So please use Python 3.8.2.

Dasun Nethsara

01.08.2022