

MBA in Business Analytics

Python for Data Analytics

Anaconda Installation

Methods of Running Python Command

Several ways of running Python commands



1. Using the IPython shell



2. Using Spyder from the Anaconda Distribution



3. Using Jupyter Notebook within the Anaconda Distribution System

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anaconda



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Anaconda

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Installation

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About Anaconda, Inc.

Anaconda was founded in 2012 by Peter Wang and Travis Oliphant ...

Anaconda



Computer program



Anaconda is a distribution of the Python and R programming languages for scientific computing, that aims to simplify package management and deployment. The distribution includes data-science packages suitable for Windows, Linux, and macOS.

[Wikipedia](#)

Programming language: [Python](#)

Developer: [Continuum analytics](#)

Initial release: 0.8.0/17 July 2012; 10 years ago

Everything you need to get started in data science on your workstation.

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Skip the installation process with our cloud-based, JupyterLab notebook experience – fully-loaded with Anaconda packages, Panel app deployment, sample data catalogs, and notebook templates.

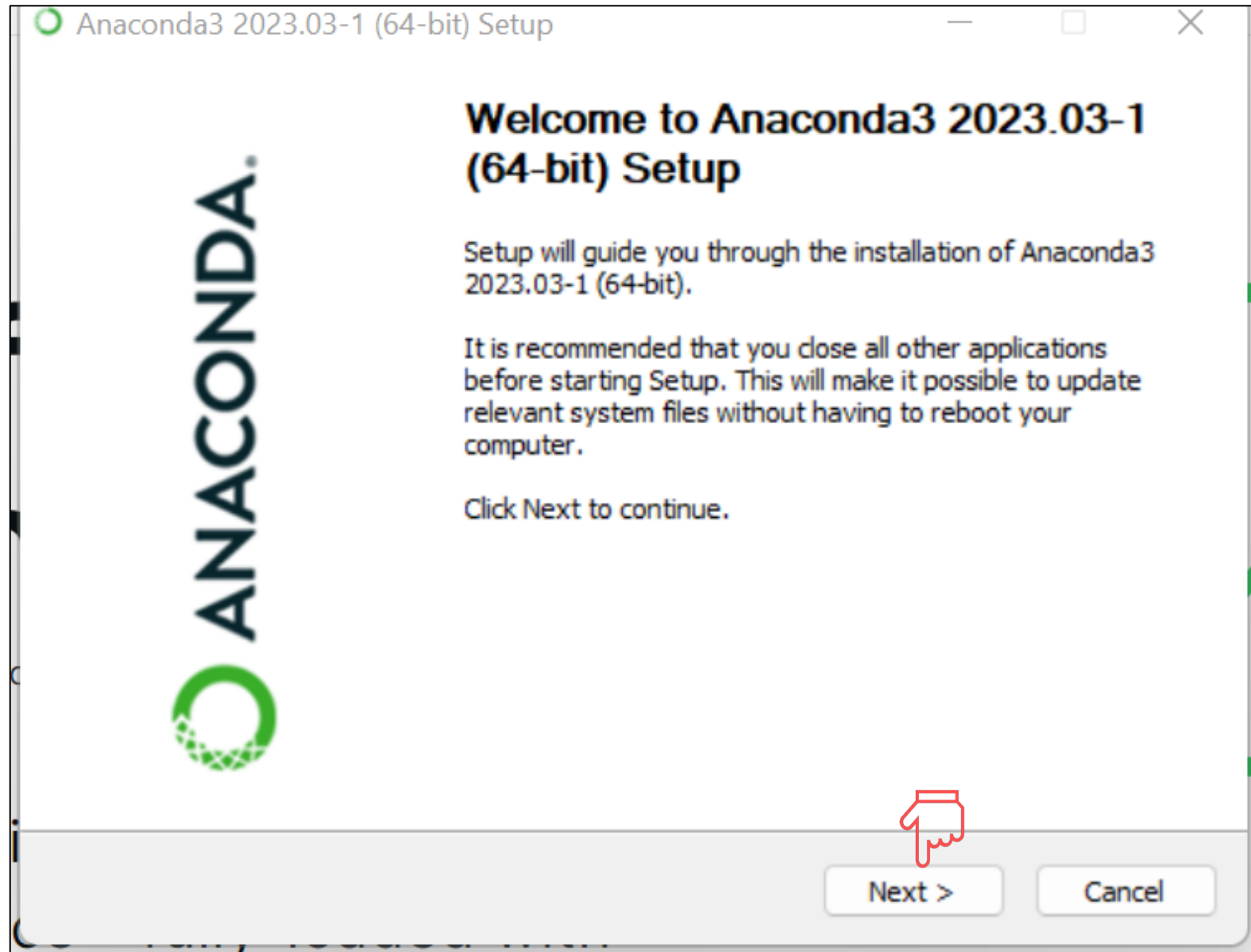


Anaconda3-2023.0....exe

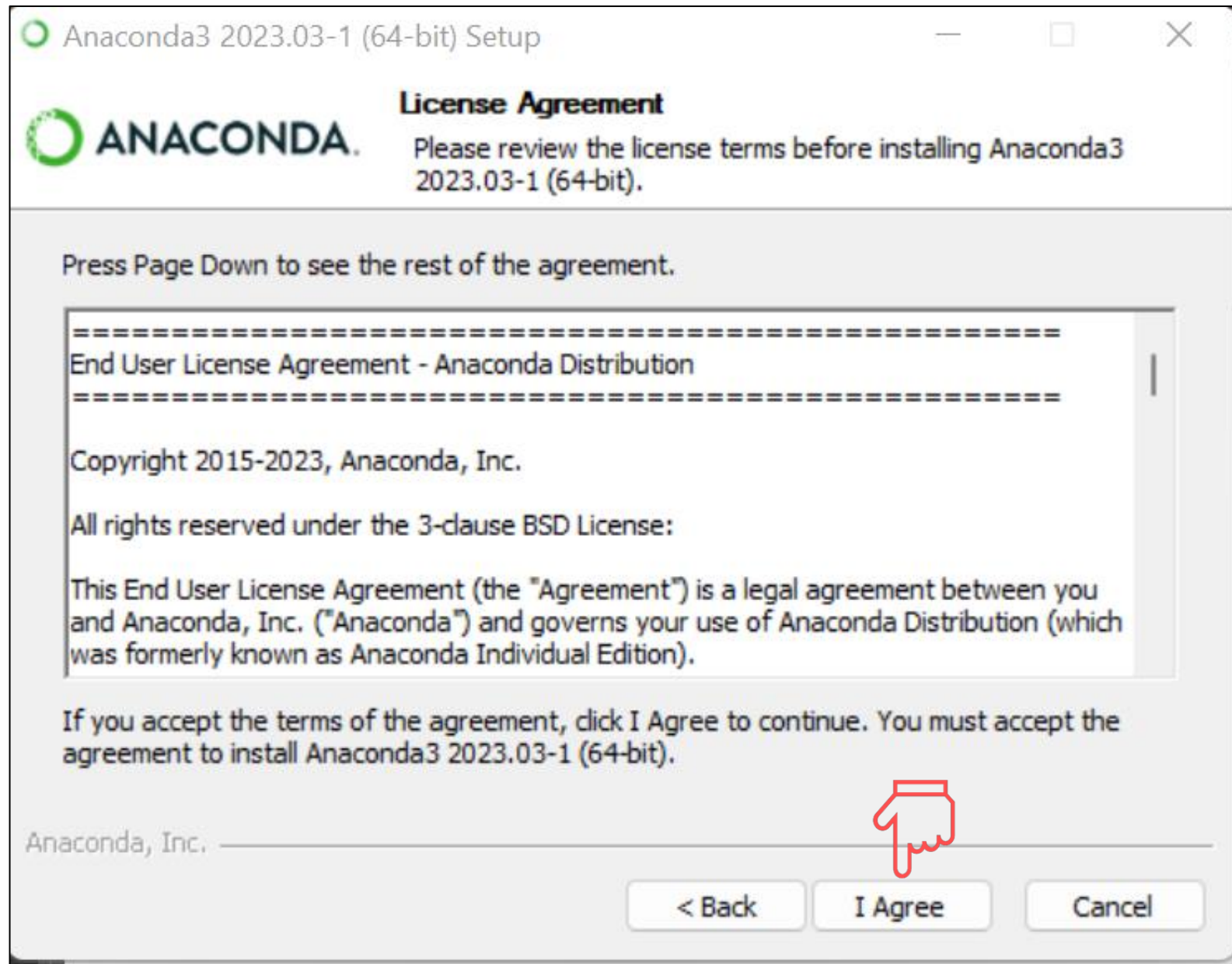
415/787 MB, 38 secs left

[Show all](#)

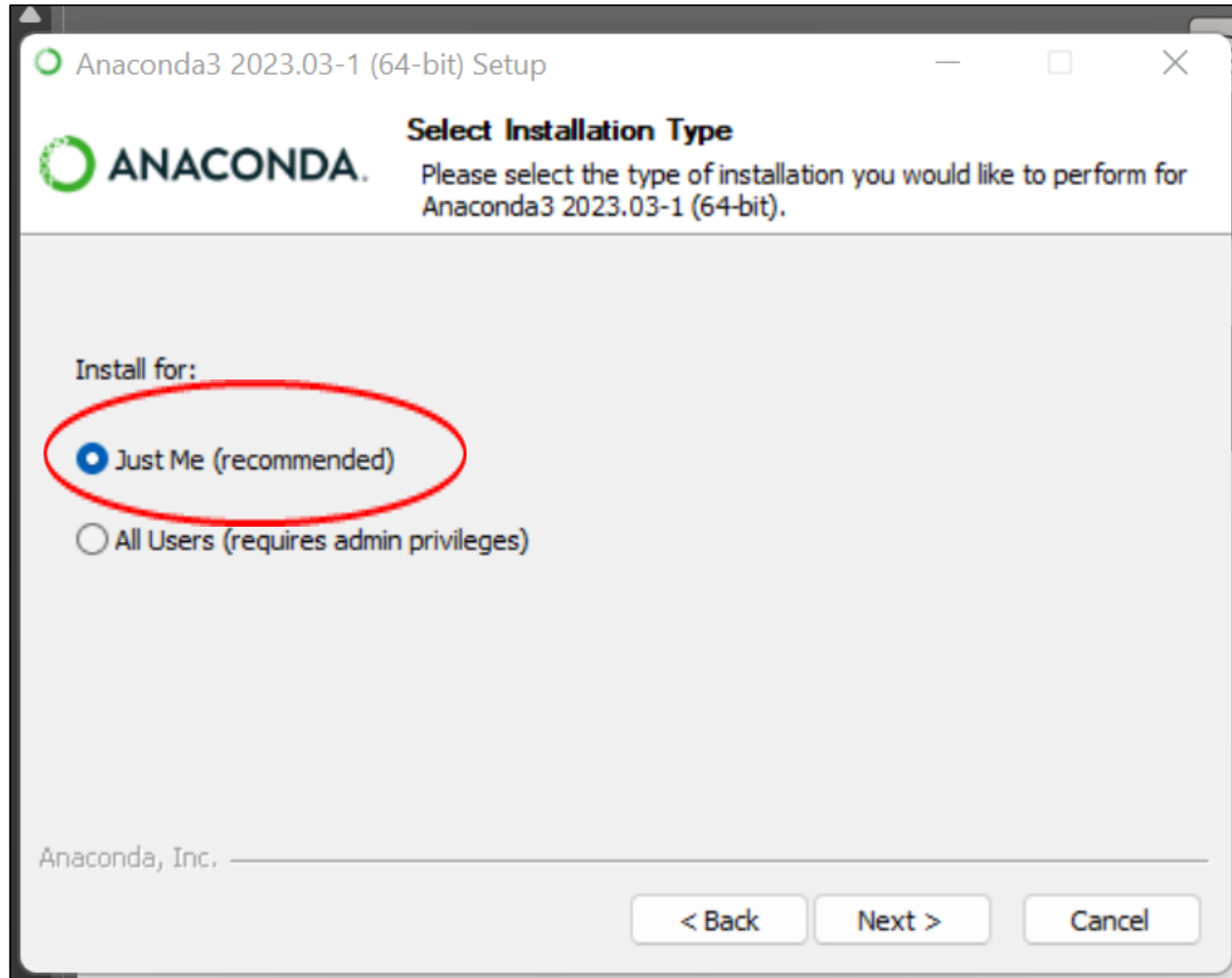
Click Next on the
prompt



Click **I Agree** in
the **Licence**
Agreement on
the prompt

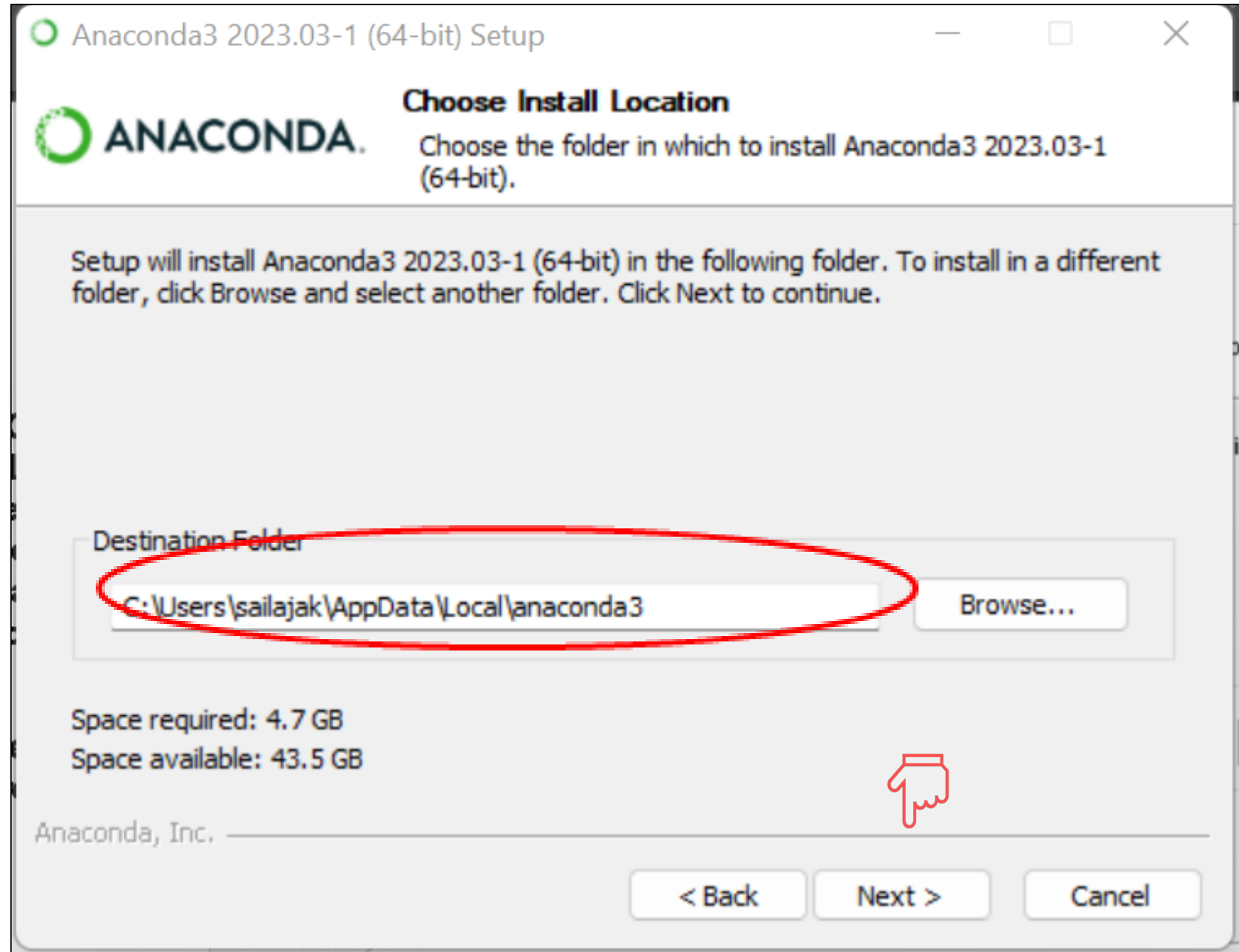


Select **Just Me** in the **Select Installation Type** on the prompt

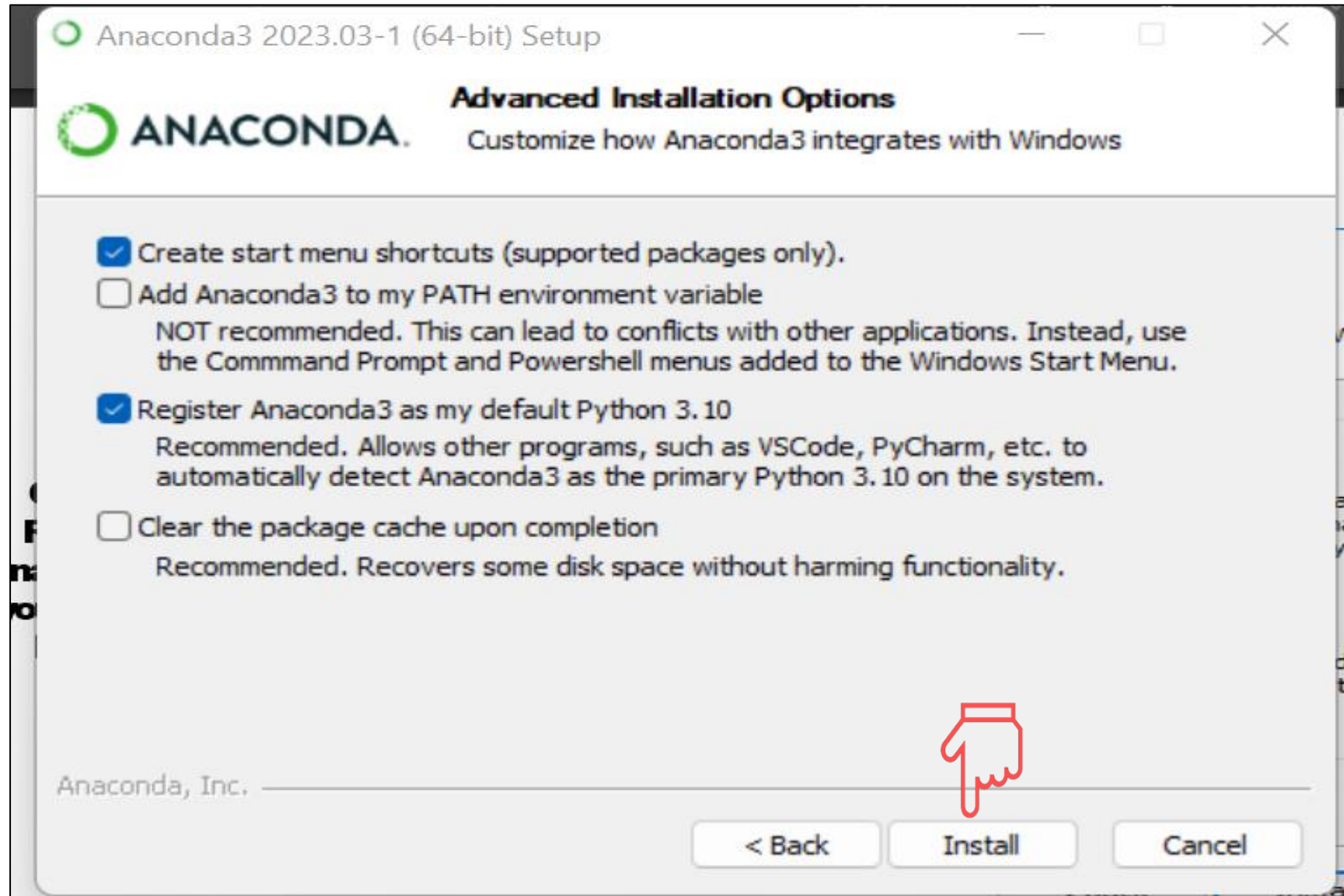


For **Choose Install Location** – the destination folder can be set up at a desired location

Click **Next** on the prompt

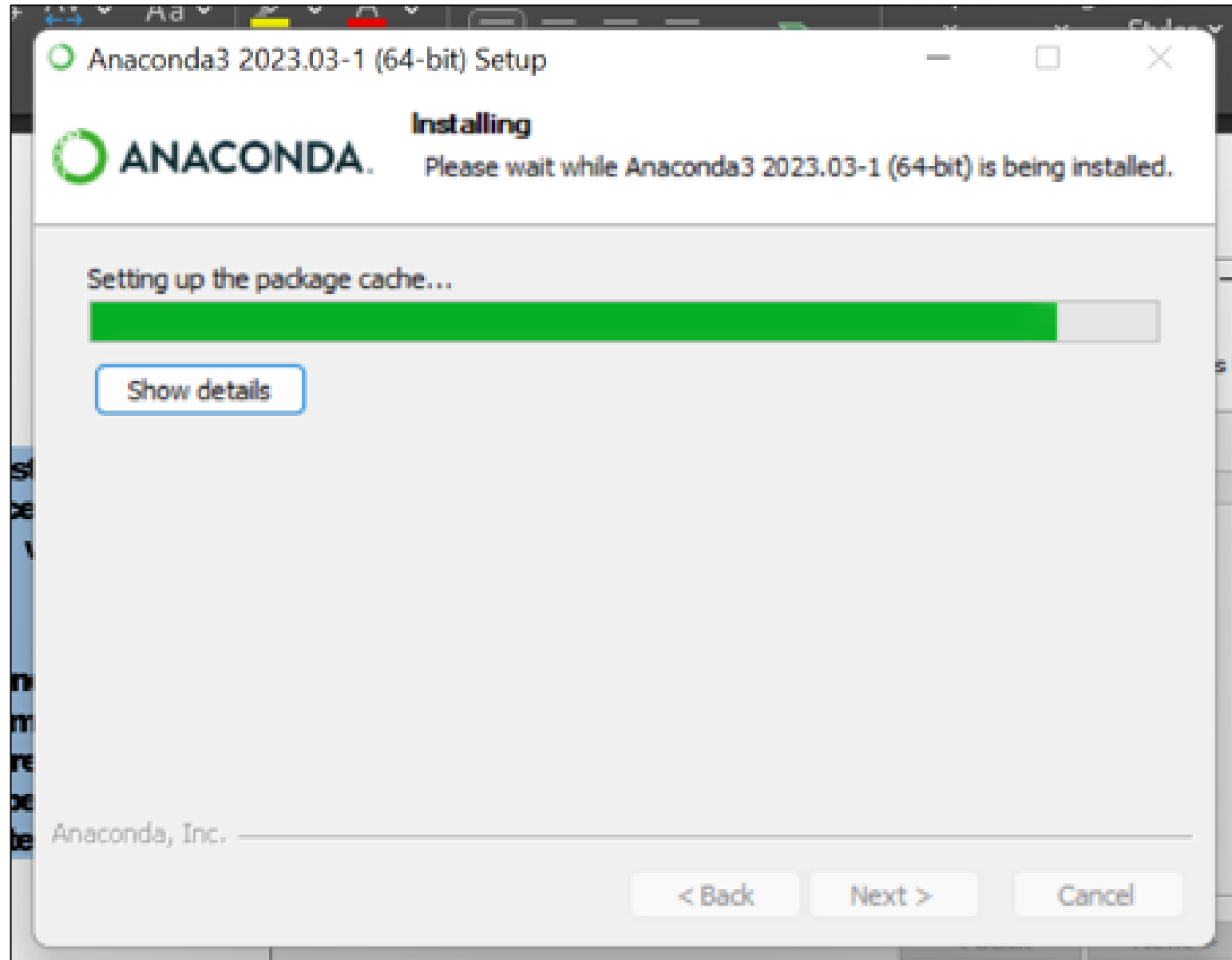


Choose
Register
Anaconda as
your default
Python



Installation process
takes a while

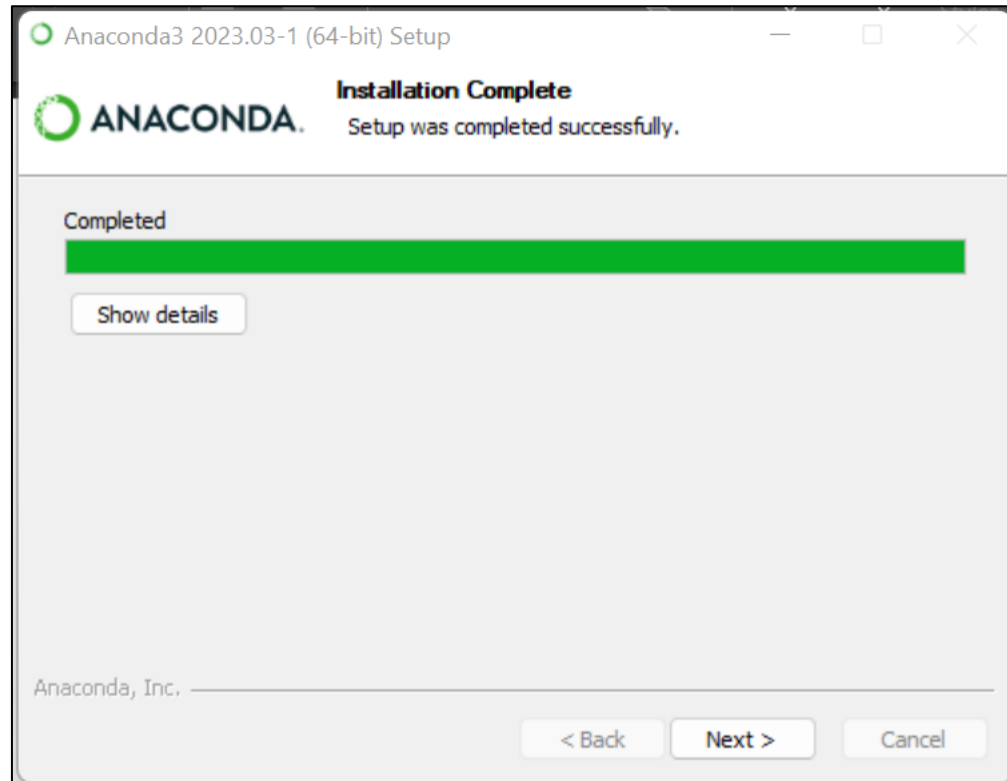
Depending on the
system speed, the
time required will be
between 15 minutes
to 1 hour



Loading Python

Once completed

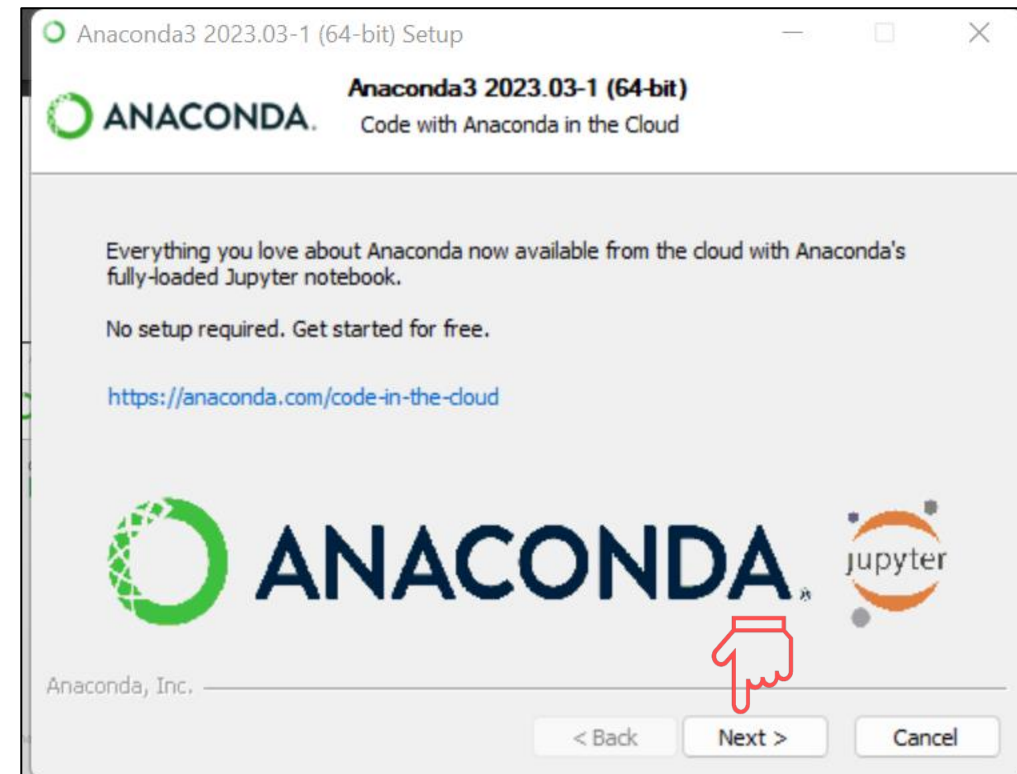
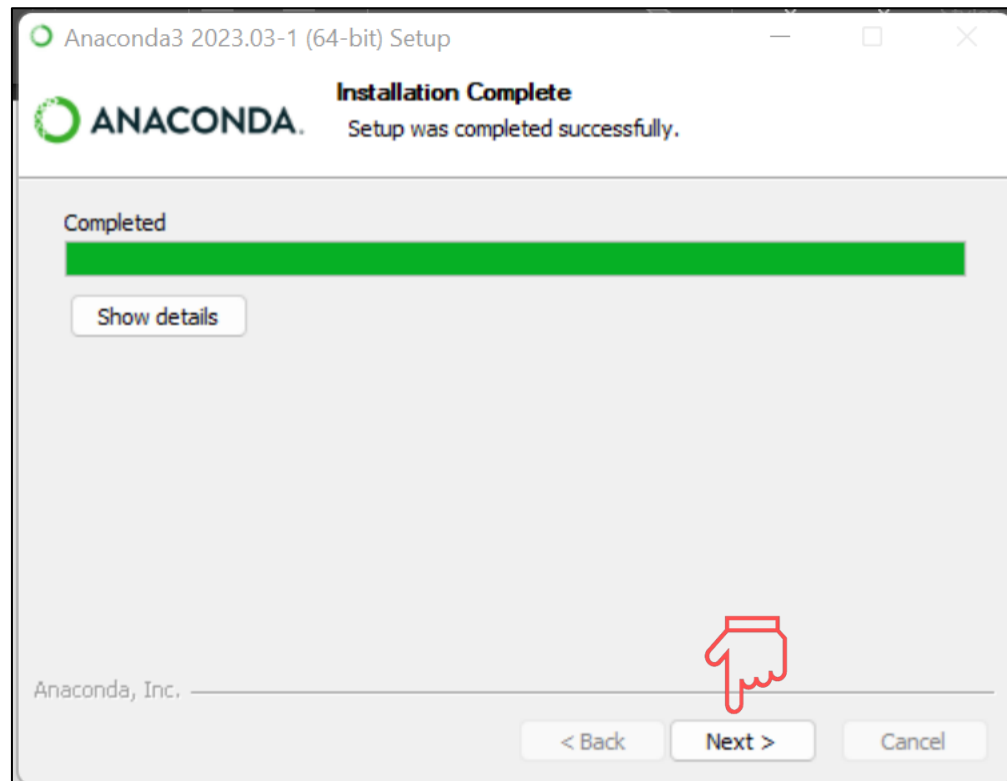
Click Next



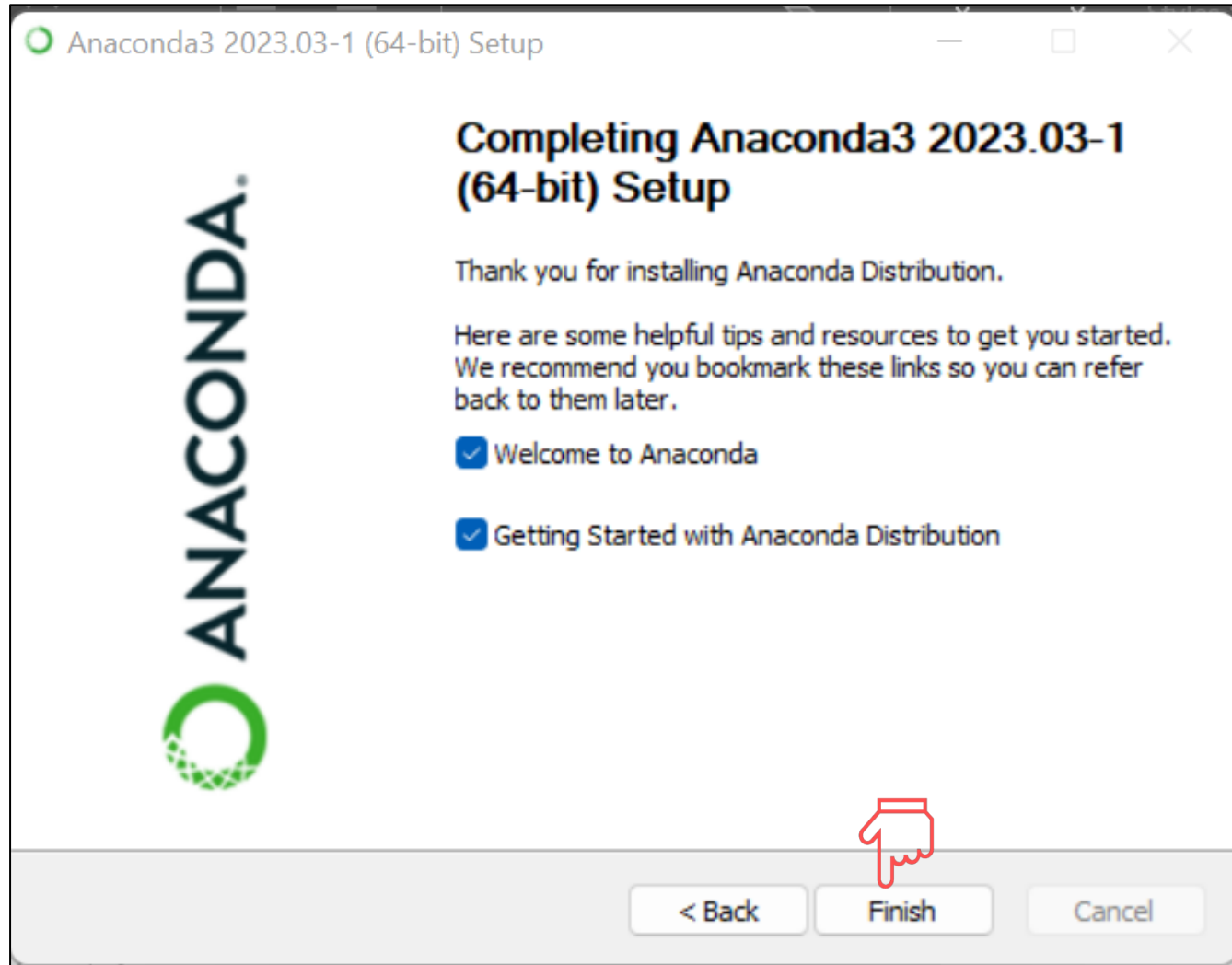
Loading Python

Once completed click next

Click Next

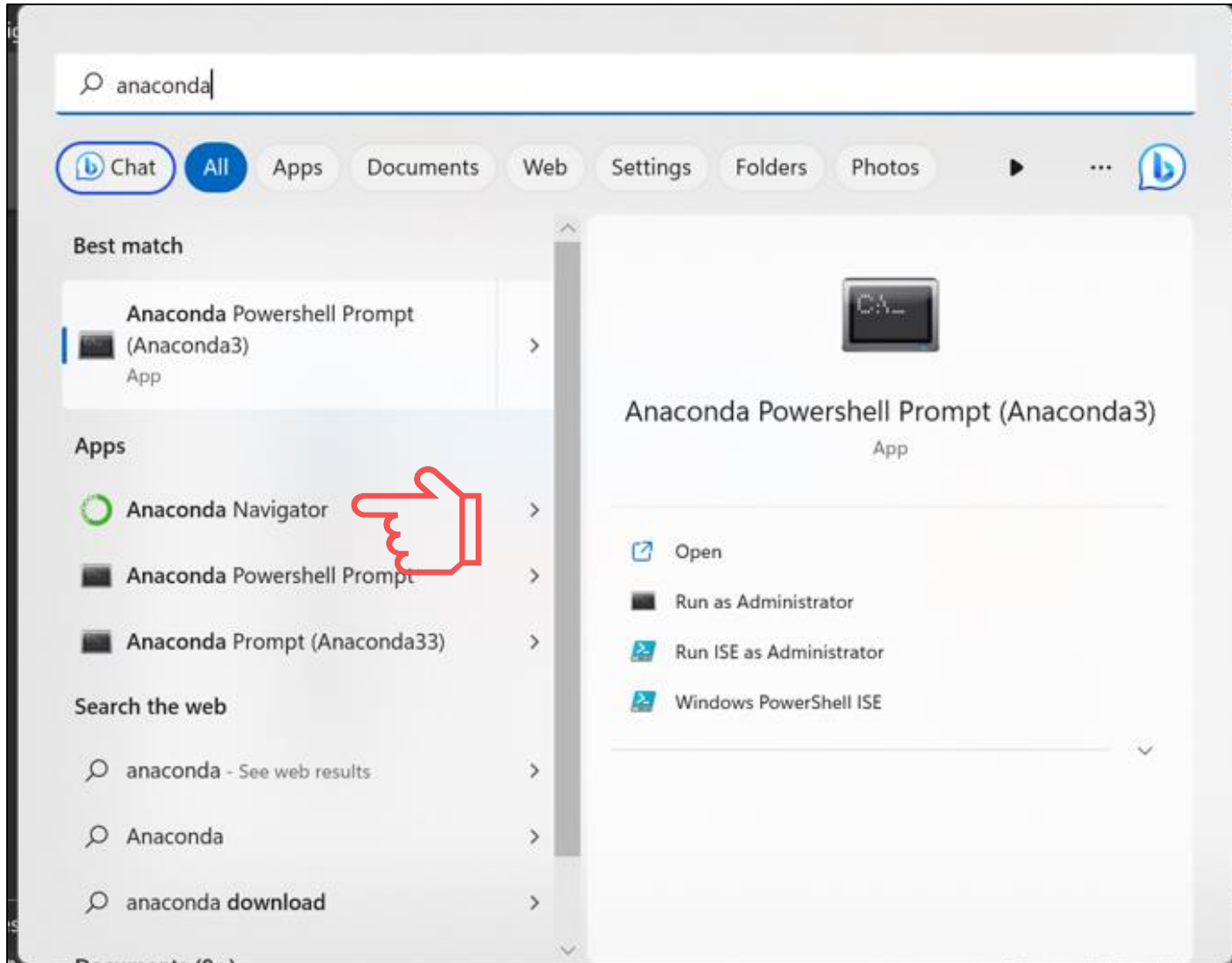


Loading Python



Click Finish

Loading Python



Once the installation is
successful

Anaconda Navigator

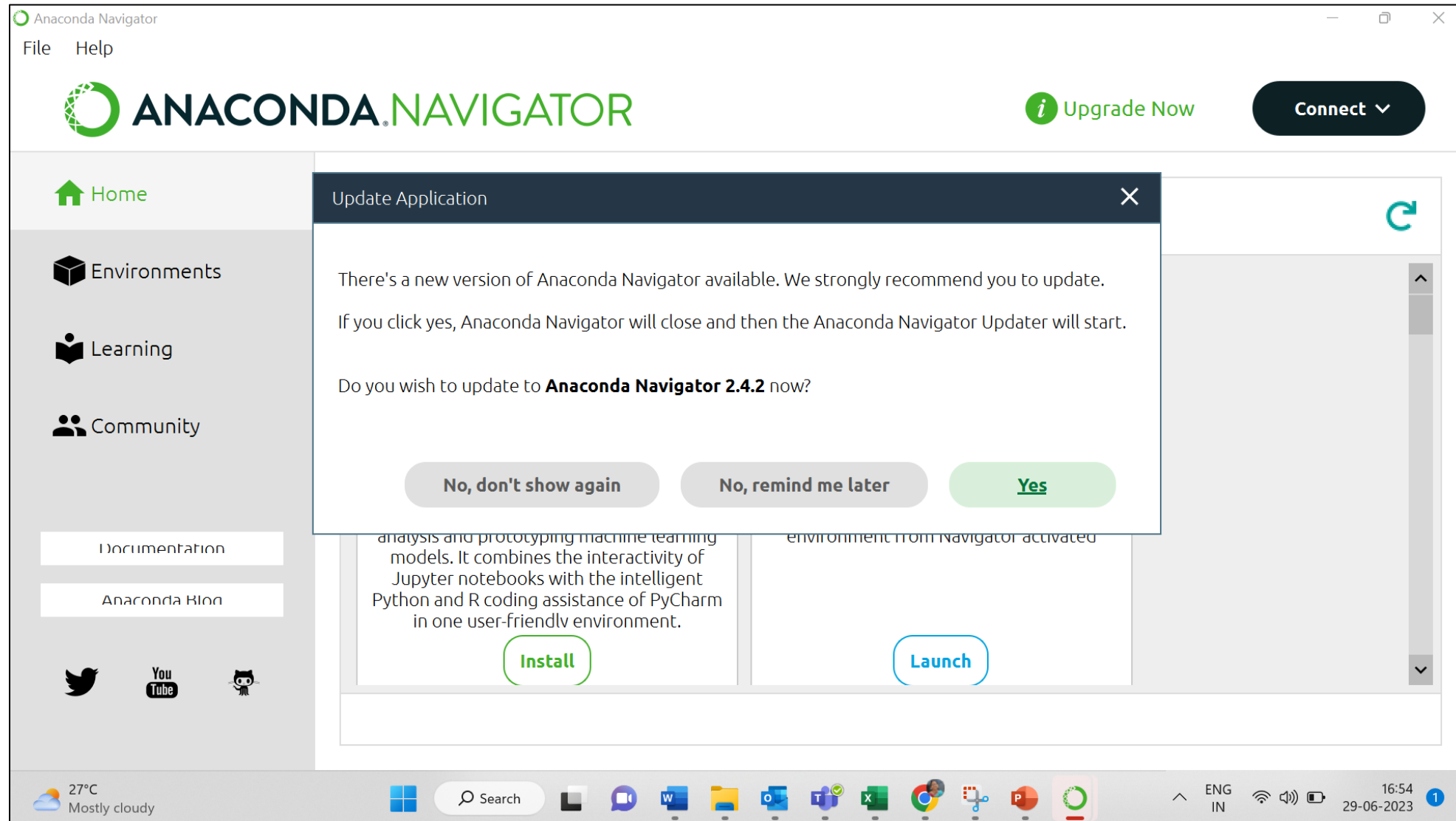
Anaconda Prompt

Both can be used
interchangeably

Jupyter Notebook



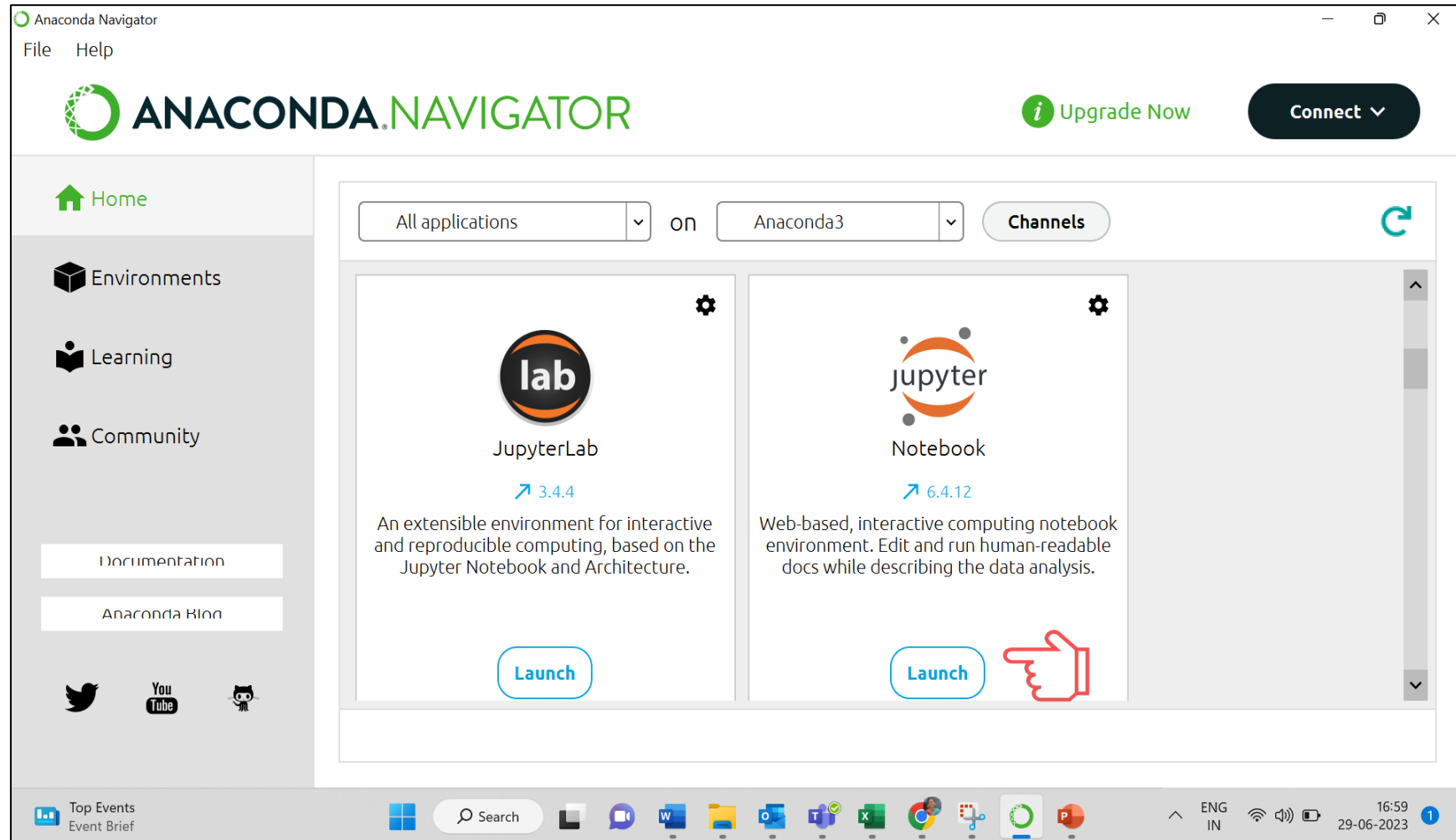
Click on Launch
Jupyter Notebook



Jupyter Notebook



Click on Launch
Jupyter Notebook



Anaconda Prompt

Default location

A screenshot of an Anaconda Prompt window. The title bar reads "Anaconda Prompt (Anaconda33)". The command prompt shows the current directory as "C:\Users\sailajak>".

```
Anaconda Prompt (Anaconda33)  
(base) C:\Users\sailajak>
```

A screenshot of an Anaconda Prompt window. The title bar reads "Anaconda Prompt (Anaconda33) - jupyter notebook". The command prompt shows the command "jupyter notebook" being entered.

```
Anaconda Prompt (Anaconda33) - jupyter notebook  
(base) C:\Users\sailajak>jupyter notebook
```

Anaconda PowerShell Prompt

Change the default location to the local directory

If files are saved in the D: drive, then go to D: drive

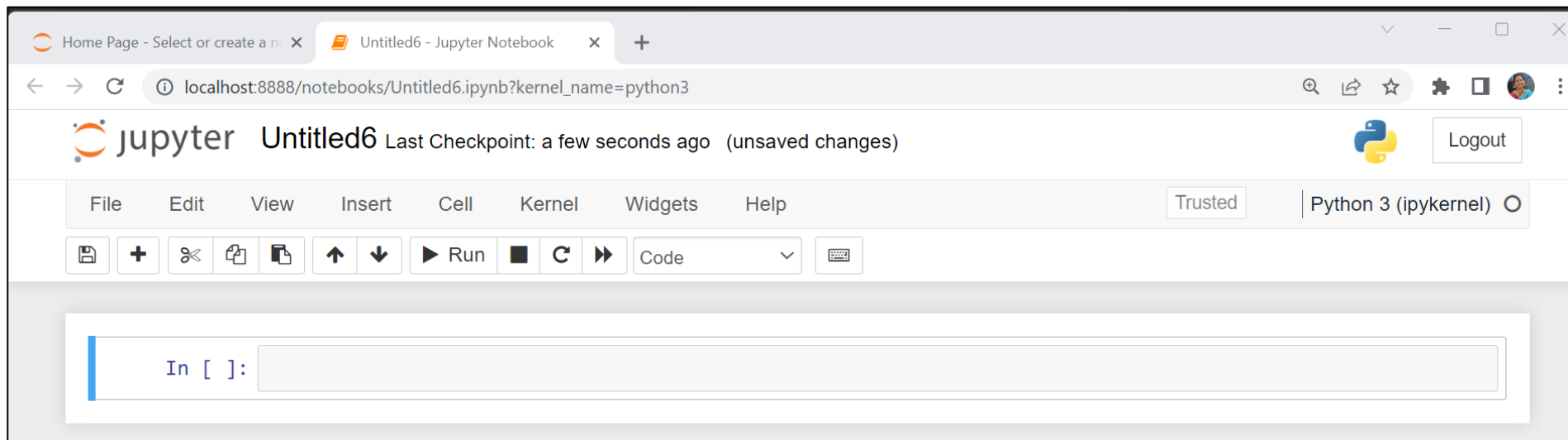
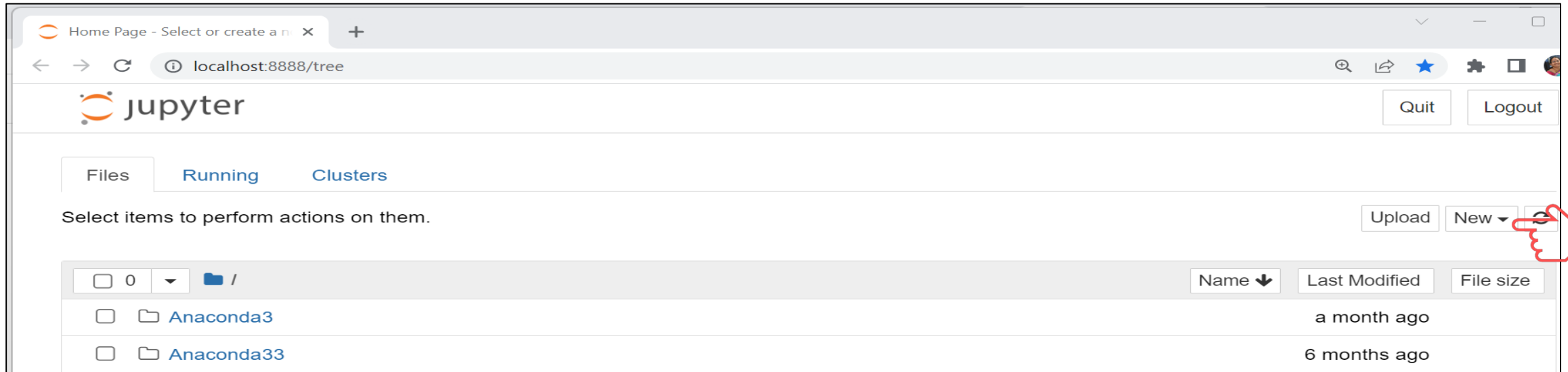
```
Anaconda Powershell Prompt (Anaconda3)
(base) PS C:\Users\sailajak> cd D:
```

```
Anaconda Powershell Prompt (Anaconda3)
(base) PS C:\Users\sailajak> cd D:
(base) PS D:\>
```

```
Anaconda Powershell Prompt (Anaconda3)
(base) PS C:\Users\sailajak> cd D:
(base) PS D:\> jupyter notebook
[I 2023-06-29 17:10:43.906 LabApp] JupyterLab extension loaded from C:\Users\sailajak\Anaconda3\lib\site-packages\jupyterlab
[I 2023-06-29 17:10:43.907 LabApp] JupyterLab application directory is C:\Users\sailajak\Anaconda3\share\jupyter\lab
[I 17:10:43.911 NotebookApp] The port 8888 is already in use, trying another port.
[I 17:10:43.912 NotebookApp] Serving notebooks from local directory: D:\
[I 17:10:43.913 NotebookApp] Jupyter Notebook 6.4.12 is running at:
[I 17:10:43.913 NotebookApp] http://localhost:8889/?token=d29fcf992a4d12c1071613512e07782c7655f8e30749dea1
[I 17:10:43.913 NotebookApp] or http://127.0.0.1:8889/?token=d29fcf992a4d12c1071613512e07782c7655f8e30749dea1
[I 17:10:43.913 NotebookApp] Use Control-C to stop this server and shut down all kernels (twice to skip confirmation).
[C 17:10:43.951 NotebookApp]

To access the notebook, open this file in a browser:
    file:///C:/Users/sailajak/AppData/Roaming/jupyter/runtime/nbserver-20372-open.html
Or copy and paste one of these URLs:
    http://localhost:8889/?token=d29fcf992a4d12c1071613512e07782c7655f8e30749dea1
    or http://127.0.0.1:8889/?token=d29fcf992a4d12c1071613512e07782c7655f8e30749dea1
```


Anaconda in Web Default Browser



THANK YOU