

By following these steps, you should be able to install Anaconda and Python 3 on your respective operating system.

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Windows:

1. Visit the Anaconda website: <https://www.anaconda.com/download>
2. Download the Anaconda installer for Windows.
3. Run the installer executable (.exe file) and follow the on-screen instructions.
4. Select the "Install for me only" option when prompted.
5. Choose the installation location and click "Next."
6. Select "Add Anaconda to my PATH environment variable" and click "Install."
7. Wait for the installation to complete.
8. Once installed, open the Anaconda Navigator from the Start menu.
9. In the Anaconda Navigator, click on the "Environments" tab and create a new environment with Python 3.
10. You can now launch Jupyter Notebook or any other Python IDE from the Anaconda Navigator

macOS:

1. Visit the Anaconda website: <https://www.anaconda.com/download>
2. Download the Anaconda installer for macOS.
3. Open the downloaded .pkg file and follow the on-screen instructions.
4. Select the installation location and click "Continue."
5. Choose "Install for me only" and click "Continue."
6. Select "Add Anaconda to my PATH environment variable" and click "Install."
7. Enter your macOS password when prompted and wait for the installation to complete.
8. Once installed, open the Anaconda Navigator from the Applications folder.
9. In the Anaconda Navigator, click on the "Environments" tab and create a new environment with Python 3.
10. You can now launch Jupyter Notebook or any other Python IDE from the Anaconda Navigator

Linux:

1. Visit the Anaconda website: <https://www.anaconda.com/download>
2. Download the Anaconda installer for Linux.
3. Open the Terminal and navigate to the directory where the installer is located.
4. Run the installer using the following command:

```
'''  
  
bash Anaconda3-<version>-Linux-x86_64.sh  
  
'''
```

Replace ``<version>`` with the actual version number of the installer.

5. Follow the on-screen instructions to proceed with the installation.
6. Select the installation location and press Enter.
7. Answer "yes" when asked to initialize Anaconda3 by running `conda init`.
8. Close and reopen the Terminal to activate the changes.
9. Once installed, open the Terminal and create a new environment with Python 3 using the following command:

```
'''  
  
conda create --name myenv python=3  
  
'''
```

Replace ``myenv`` with the desired environment name.

10. Activate the environment with the following command:

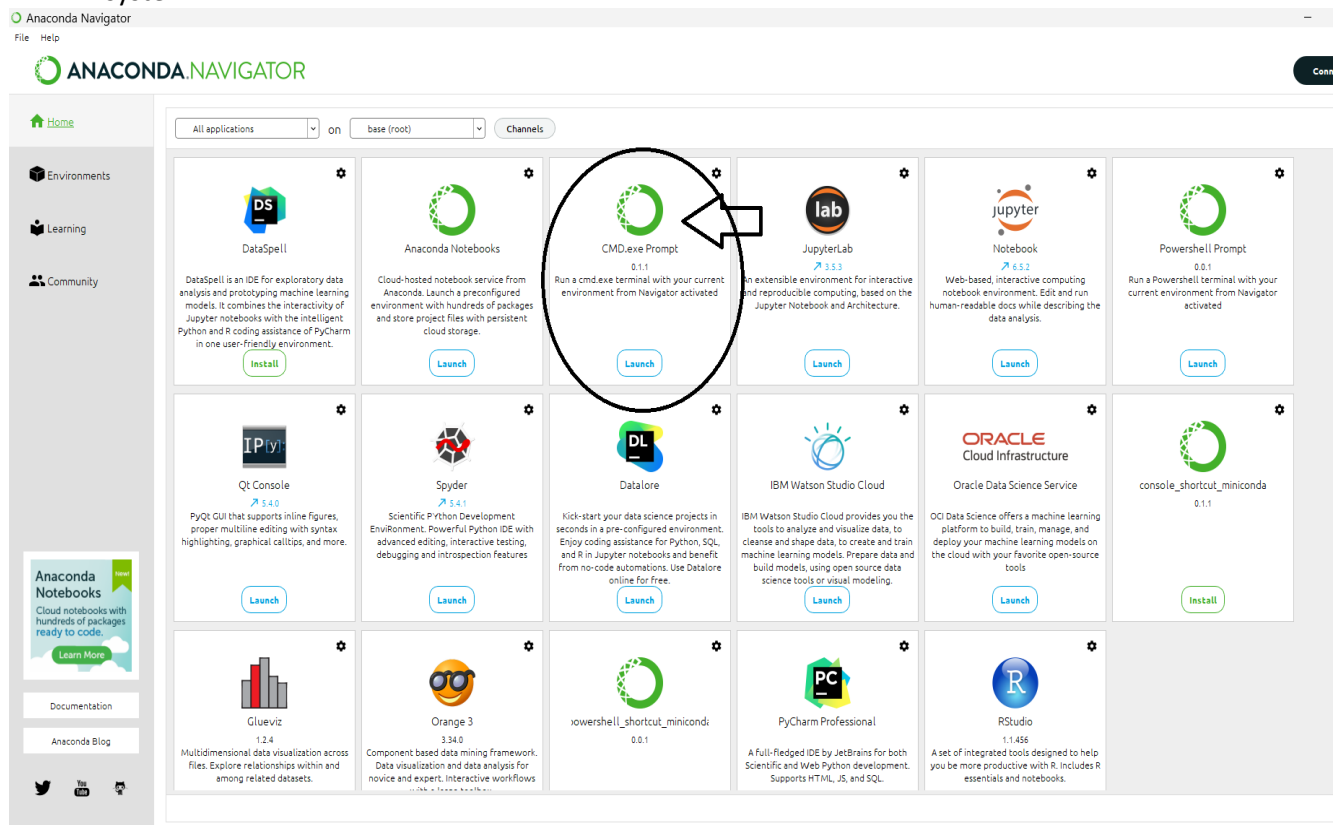
```
'''  
  
conda activate myenv  
  
'''
```

11. You can now launch Jupyter Notebook or any other Python IDE from the Terminal.

Installing packages and start jupyter notebook:

To create a new environment in Anaconda, you can follow these steps:

1. Open the Anaconda Prompt or Anaconda Command Prompt, depending on your operating system.



2. Decide on a name for your new environment. Choose a descriptive name that represents the purpose or project associated with the environment.
3. Run the following command from Anaconda command prompt to create a new environment with the packages to install. By default, the new environment will be created with only the essential packages. However, you can specify additional packages to be installed during the environment creation. For example:

```
conda create --name Biotech biopython matplotlib pandas numpy scipy
```

This creates a new environment named "Biotech" and installs the packages "biopython", "matplotlib", "pandas", "numpy", and "scipy" into that environment.

4. Proceed with the environment creation: **Press y and then Enter** to confirm and proceed with the creation of the environment. Conda will download and install the specified packages and set up the new environment.
5. Activate the new environment: After the environment creation is complete, you can activate it by running the following command:

conda activate Biotech

6. Start Jupyter Notebook: Run the following command in the command prompt:

jupyter notebook

Now you have successfully created a new environment in Anaconda. You can install additional packages, use the environment for specific projects, and manage separate environments with different configurations and dependencies.