

# Creating Environments in Windows for *spyder*

Download and install **ANACONDA** (<https://www.anaconda.com/download/success>)

- Follow the recommended settings.

## Open *Anaconda PowerShell Prompt*



Anaconda PowerShell Prompt

- To create environment, type the following:

```
conda create --name test_env_name python=3.10 git spyder -y
```

(change test\_env\_name to a name of your choice)

```
Anaconda PowerShell Prompt
(base) PS C:\Users\cturn> conda create --name test_env_name python=3.12 git spyder -y
3 channel Terms of Service accepted
Retrieving notices: done
Channels:
- defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

## Package Plan ##

  environment location: C:\Users\cturn\anaconda3\envs\test_env_name

added / updated specs:
- git
- python=3.12
- spyder

The following packages will be downloaded:
```

- To open environment, type the following:

```
conda activate test_env_name
```

```
Select Anaconda PowerShell Prompt
Downloading and Extracting Packages:
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#   $ conda activate test_env_name
#
# To deactivate an active environment, use
#
#   $ conda deactivate
#
(base) PS C:\Users\cturn> conda activate test_env_name
(test_env_name) PS C:\Users\cturn> _
```

- Now we can add packages. Here we will add some common ones

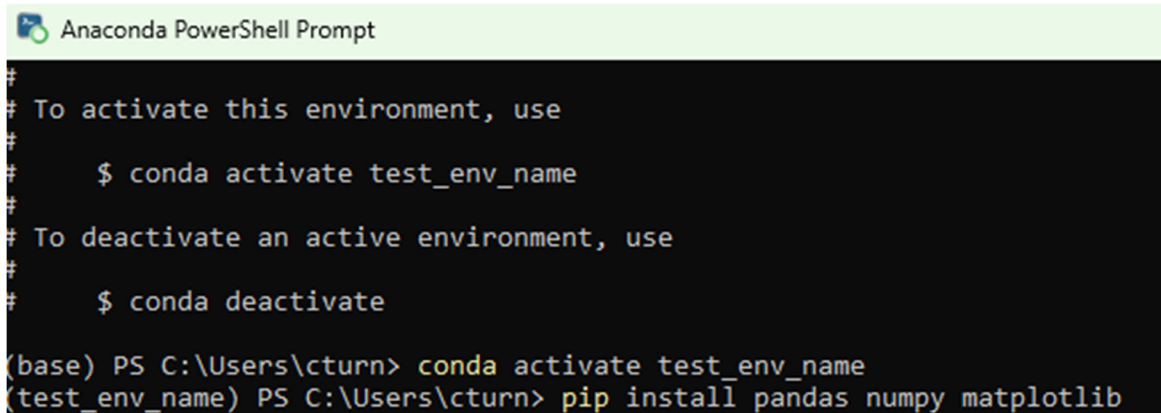
*pandas* (<https://pandas.pydata.org/>)

*NumPy* (<https://numpy.org/>)

*matplotlib* (<https://matplotlib.org/>)

- Type this into the environment to add these three packages

```
pip install pandas numpy matplotlib
```



```
Anaconda PowerShell Prompt
#
# To activate this environment, use
#
#   $ conda activate test_env_name
#
# To deactivate an active environment, use
#
#   $ conda deactivate

(base) PS C:\Users\cturn> conda activate test_env_name
(test_env_name) PS C:\Users\cturn> pip install pandas numpy matplotlib
```

- To find verified installations of other packages, use the following repositories:

*Python Package Index* (<https://pypi.org/>)

*Anaconda packages* (<https://anaconda.org/anaconda/repo>)