



# Test Automation

## Experiment 1 + 2

**AIM: Install conda and scrapy in your system and attach the screenshot of newly created environment in an terminal with scrapy installed**

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## Step 1: Install anaconda conda

```
(primeno) alpha@Akhands-MacBook-Pro ~ % conda
usage: conda [-h] [-V] command ...

conda is a tool for managing and deploying applications, environments and packages.

Options:

positional arguments:
  command
    clean          Remove unused packages and caches.
    compare        Compare packages between conda environments.
    config          Modify configuration values in .condarc. This is modeled after the git config command. W
                    to display all identified configuration locations on your computer.
    create          Create a new conda environment from a list of specified packages.
    info            Display information about current conda install.
    init            Initialize conda for shell interaction.
    install         Installs a list of packages into a specified conda environment.
    list            List installed packages in a conda environment.
    package         Low-level conda package utility. (EXPERIMENTAL)
    remove          Remove a list of packages from a specified conda environment.
    rename          Renames an existing environment.
    run             Run an executable in a conda environment.
    search          Search for packages and display associated information.The input is a MatchSpec, a query
    uninstall       Alias for conda remove.
    update          Updates conda packages to the latest compatible version.
    upgrade         Alias for conda update.
    notices         Retrieves latest channel notifications.

optional arguments:
  -h, --help      Show this help message and exit.
  -V, --version    Show the conda version number and exit.

conda commands available from other packages:
  build
  content-trust
  convert
  debug
  develop
  env
  index
  inspect
  metapackage
  pack
  render
  repo
  server
  skeleton
  token
  verify
(primeno) alpha@Akhands-MacBook-Pro ~ %
```

## Step 2: Create and activate new environment

```
(primeno) alpha@Akhands-MacBook-Pro ~ % conda create -n test_env
Collecting package metadata (current_repodata.json): done
Solving environment: done
```

```
==> WARNING: A newer version of conda exists. <==
current version: 22.9.0
latest version: 23.1.0
```

Please update conda by running

```
$ conda update -n base -c defaults conda
```

```
## Package Plan ##
```

```
environment location: /Users/alpha/opt/anaconda3/envs/test_env
```

```
Proceed ([y]/n)? y
```

```
Preparing transaction: done
```

```
Verifying transaction: done
```

```
Executing transaction: done
```

```
#
```

```
# To activate this environment, use
```

```
#
```

```
# $ conda activate test_env
```

```
#
```

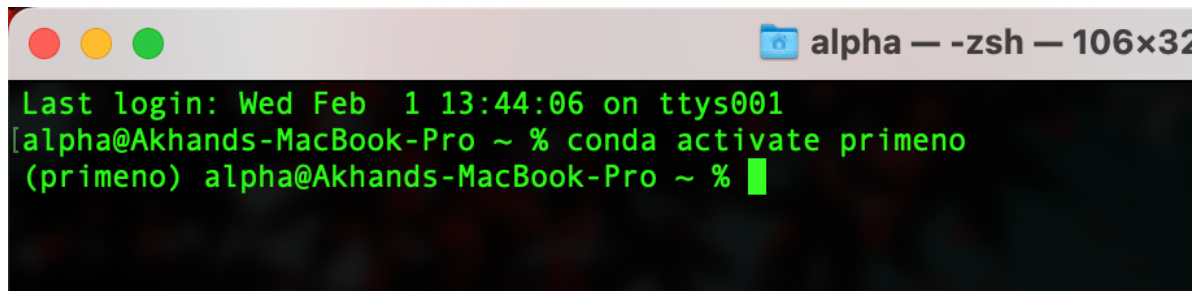
```
# To deactivate an active environment, use
```

```
#
```

```
# $ conda deactivate
```

```
Retrieving notices: ...working... done
```

```
(primeno) alpha@Akhands-MacBook-Pro ~ %
```

A screenshot of a macOS terminal window. The title bar shows three colored window control buttons (red, yellow, green) on the left and a folder icon followed by the text "alpha — -zsh — 106x32" on the right. The terminal content shows the last login time as "Wed Feb 1 13:44:06 on ttys001", followed by the command "[alpha@Akhands-MacBook-Pro ~ % conda activate primeno" and the prompt "(primeno) alpha@Akhands-MacBook-Pro ~ %" with a green cursor.

**Step 3:** Install scrapy in it

```
(primeno) alpha@Akhands-MacBook-Pro ~ % conda install scrapy
Collecting package metadata (current_repodata.json): done
Solving environment: done
```

```

Downloading and Extracting Packages
zlib-1.2.13 | 96 KB | ##### | 100%
attrs-22.1.0 | 84 KB | ##### | 100%
scrapy-2.6.2 | 366 KB | ##### | 100%
twisted-22.2.0 | 4.2 MB | ##### | 100%
queuelib-1.5.0 | 258 KB | ##### | 100%
typing_extensions-4. | 46 KB | ##### | 100%
flit-core-3.6.0 | 42 KB | ##### | 100%
zope.interface-5.4.0 | 299 KB | ##### | 100%
xz-5.2.10 | 263 KB | ##### | 100%
openssl-1.1.1s | 2.8 MB | ##### | 100%
certifi-2022.12.7 | 151 KB | ##### | 100%
ca-certificates-2023 | 121 KB | ##### | 100%
zope-1.0 | 4 KB | ##### | 100%
parsel-1.6.0 | 350 KB | ##### | 100%
pydispatcher-2.0.5 | 20 KB | ##### | 100%
filelock-3.9.0 | 19 KB | ##### | 100%
lxml-4.9.1 | 1.1 MB | ##### | 100%
bcrypt-3.2.0 | 40 KB | ##### | 100%
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
Retrieving notices: ...working... done
(primeno) alpha@Akhands-MacBook-Pro ~ %

```

#### Step 4: Get list of environments

```

(primeno) alpha@Akhands-MacBook-Pro ~ % conda env list
# conda environments:
#
base                  /Users/alpha/opt/anaconda3
primeno               * /Users/alpha/opt/anaconda3/envs/primeno

(primeno) alpha@Akhands-MacBook-Pro ~ %

```

#### Step 5 : Can install selenium in it

```

(primeno) alpha@Akhands-MacBook-Pro ~ % pip install -U selenium
Collecting selenium
  Downloading selenium-4.8.0-py3-none-any.whl (6.3 MB)
    |#####| 6.3 MB 3.7 MB/s
Collecting trio~=0.17
  Downloading trio-0.22.0-py3-none-any.whl (384 kB)
    |#####| 384 kB 1.6 MB/s
Collecting urllib3[socks]~=1.26
  Downloading urllib3-1.26.14-py2.py3-none-any.whl (140 kB)
    |#####| 140 kB 1.8 MB/s
Collecting trio-websocket~=0.9
  Downloading trio_websocket-0.9.2-py3-none-any.whl (16 kB)
Requirement already satisfied, skipping upgrade: certifi>=2021.10.8 in ./opt/anaconda3/envs/primeno/
Collecting sortedcontainers
  Downloading sortedcontainers-2.4.0-py2.py3-none-any.whl (29 kB)
Requirement already satisfied, skipping upgrade: attrs>=19.2.0 in ./opt/anaconda3/envs/primeno/lib/p
Requirement already satisfied, skipping upgrade: idna in ./opt/anaconda3/envs/primeno/lib/python3.8/
Collecting exceptiongroup>=1.0.0rc9; python_version < "3.11"
  Downloading exceptiongroup-1.1.0-py3-none-any.whl (14 kB)
Collecting async-generator>=1.9
  Downloading async_generator-1.10-py3-none-any.whl (18 kB)
Collecting outcome
  Downloading outcome-1.2.0-py2.py3-none-any.whl (9.7 kB)
Collecting sniffio
  Downloading sniffio-1.3.0-py3-none-any.whl (10 kB)
Requirement already satisfied, skipping upgrade: PySocks!=1.5.7,<2.0,>=1.5.6; extra == "socks" in ./
Collecting wsproto>=0.14
  Downloading wsproto-1.2.0-py3-none-any.whl (24 kB)
Requirement already satisfied, skipping upgrade: h11<1,>=0.9.0 in ./opt/anaconda3/envs/primeno/lib/p
ERROR: requests 2.23.0 has requirement urllib3!=1.25.0,!<1.25.1,<1.26,>=1.21.1, but you'll have urll
Installing collected packages: sortedcontainers, exceptiongroup, async-generator, outcome, sniffio,
  Attempting uninstall: urllib3
    Found existing installation: urllib3 1.25.7
    Uninstalling urllib3-1.25.7:
      Successfully uninstalled urllib3-1.25.7
Successfully installed async-generator-1.10 exceptiongroup-1.1.0 outcome-1.2.0 selenium-4.8.0 sniffi
(primeno) alpha@Akhands-MacBook-Pro ~ %

```