Jupyter cheatsheet

Your everyday reference for the training lab.

Run a cell

Shift + **Enter**

Run Python

Type in a code cell, then press **Shift + Enter**.

```
1 + 2
```

```
3
```

Run a shell command

Prefix a command with `!` to run it from a code cell.

```
!pwd
```

```
/home/jupyter-alice
```

```
!python --version
```

```
Python 3.14.10
```

Try `!ls` and `!ls -l` too.

Write notes with Markdown

Choose **Markdown** from the cell-type menu. Type, then press **Shift + Enter**. Double-click the rendered cell to edit again.

```
# Heading 1
## Heading 2
**Hello**, *World!*
```

Heading 1

Heading 2

Hello, *World!*

Markdown syntax reference

Create a file

Put `%%file filename` on the first line. Jupyter saves the remaining lines into that file.

```
%%file five.txt
one
two
three
four
five
```

```
Writing five.txt
```

```
!wc -l five.txt
```

```
5 five.txt
```

```
%%file hello.py
print("hello world")
```

```
Writing hello.py
```

```
!python hello.py
```

```
hello world
```

Practice problems

The training lab adds two commands: `%load_problem` loads an exercise, and `%verify_problem` checks your solution.

1 / Load the problem

```
%load_problem square
```

Shows the problem and adds a cell below.

2 / Write your solution and run it

```
def square(x):
    return x * x
```

3 / Verify your answer

```
%verify_problem square
```

✓ Successful verification confirms your solution.