

Informatik II

01

18.02.26

Maximilian Barth

info2.mbarth.ch

- CodeExpert
- Terminal
- Python
- JupyterLab
- VS Code

code expert

CoursesExercise groupsCourse management

SS 2026

MAVT2

Change

Maximilian Barth22

Exercises

	Name	XP	Schedule				
			Handout date	Due date	Solution date		
+	Unused	175	19.02.2026 01:00	19.02.2026 01:00	(not specified)		
+	Exercise 1: Python I	100	19.02.2026 17:00	04.03.2026 20:00	04.03.2026 23:59		
+	Exercise 2: Python II	100	26.02.2026 12:00	09.03.2026 20:00	09.03.2026 23:59		
+	Exercise 3: Python III	100	05.03.2026 12:00	16.03.2026 20:00	16.03.2026 23:59		
+	Exercise 4: Classes and Programming Concepts	100	12.03.2026 12:00	23.03.2026 20:00	23.03.2026 23:59		
+	Exercise 5: Algorithms and Efficiency	100	19.03.2026 12:00	30.03.2026 20:00	30.03.2026 23:59		
+	Exercise 6: Search and Sort	100	26.03.2026 12:00	06.04.2026 20:00	06.04.2026 23:59		
+	Exercise 7: Trees	100	02.04.2026 12:00	20.04.2026 20:00	20.04.2026 23:59		
+	Exercise 8: Data Structures	100	16.04.2026 12:00	27.04.2026 20:00	27.04.2026 23:59		
+	Exercise 9: DP I	100	23.04.2026 12:00	04.05.2026 20:00	04.05.2026 23:59		
+	Exercise 10: DP II	100	30.04.2026 12:00	11.05.2026 20:00	11.05.2026 23:59		
+	Exercise 11: Intro ML I	100	07.05.2026 12:00	18.05.2026 20:00	18.05.2026 23:59		
+	Exercise 12: Intro ML II	100	21.05.2026 12:00	01.06.2026 20:00	01.06.2026 23:59		
+	Exercise 13: Intro ML III	100	28.05.2026 12:00	08.06.2026 20:00	08.06.2026 23:59		

+ Add exercise

↩ Import exercise

>

Terminal

Powershell (Win)

```
$ dir  
$ cd [ordner]  
$ cd ..  
$ mkdir [neuer ordner]
```

Terminal (Mac, Linux)

```
$ ls  
$ cd [ordner]  
$ cd ..  
$ mkdir [neuer ordner]
```

Python – Installation

Option 1: [Offizielle slides](#)

Option 2: [UV](#)

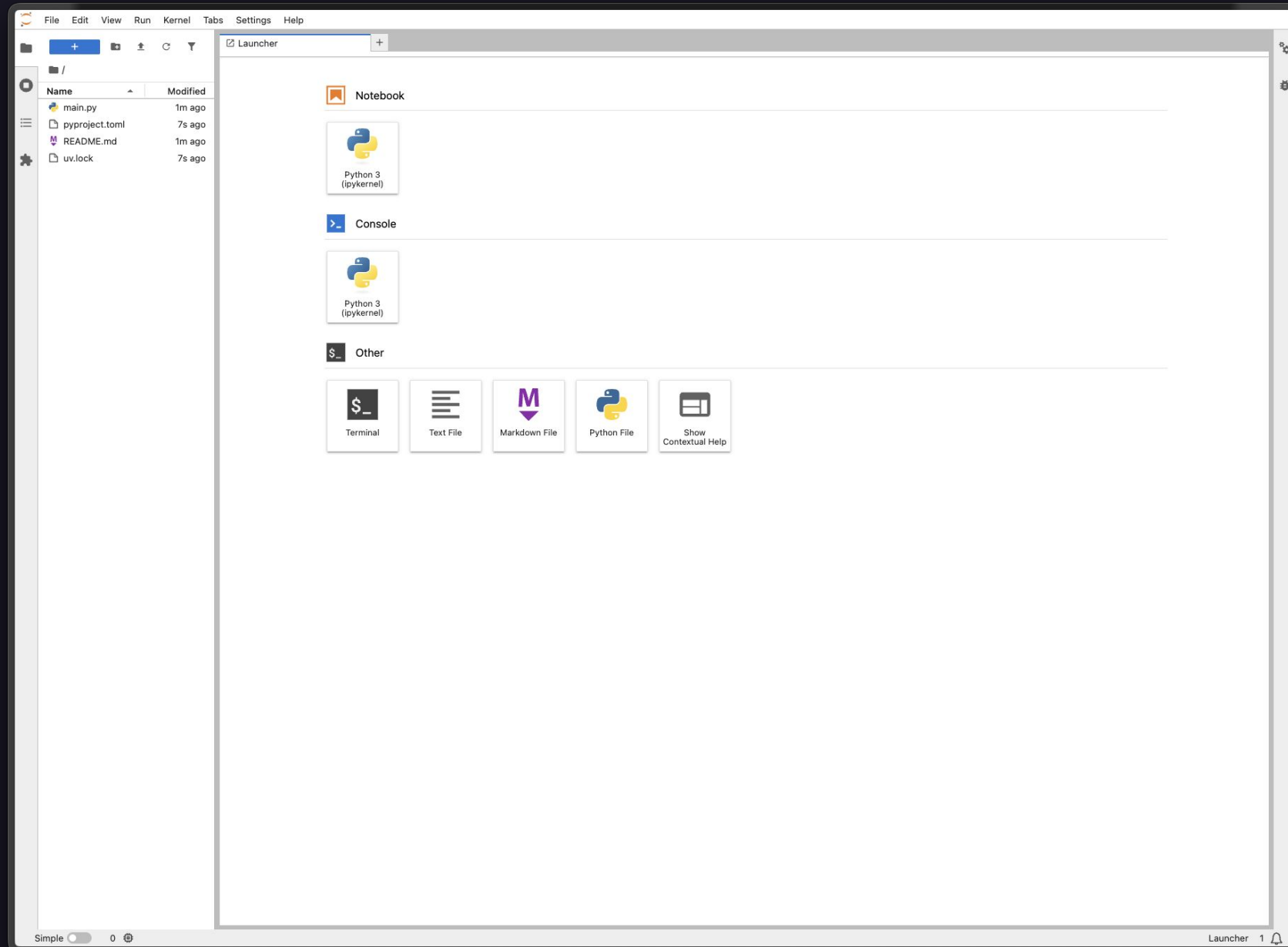
<https://docs.astral.sh/uv/>

```
$ uv python install 3.11
$ uv init --python 3.11 [name]
$ uv run [file name]
$ uv add [package]

$ uv add jupyter
$ uv run jupyter lab
```

UV – Beispiel

```
$ uv init --python 3.11 first  
$ cd first  
$ uv add matplotlib  
$ uv run main.py
```



UV

```
$ uv add jupyter  
$ uv run jupyter lab
```

Offiziell

```
$ jupyter lab  
$ jupyter-lab  
$ python -m jupyterlab #(win)  
$ python3 -m jupyterlab #(mac)
```

AverageOfThree.ipynb

VS Code interface showing a project named 'INFO2' with a file 'test.py' containing the code:

```
1 print("hello world")
```

The terminal output shows the command `uv run test.py` being executed, resulting in the output `hello world`.

maximilian.barth@inf.ethz.ch

info2.mbarth.ch