Install tools workshop

(15 - 30 minutes)
USB stick with Python and Visual Studio Code

Instructions

Windows 10+

- Copy …. win.zip to the Documents folder
- Right click on the tile and "Extract all" to your documents folder *…\Documents* (remove the name at the end)
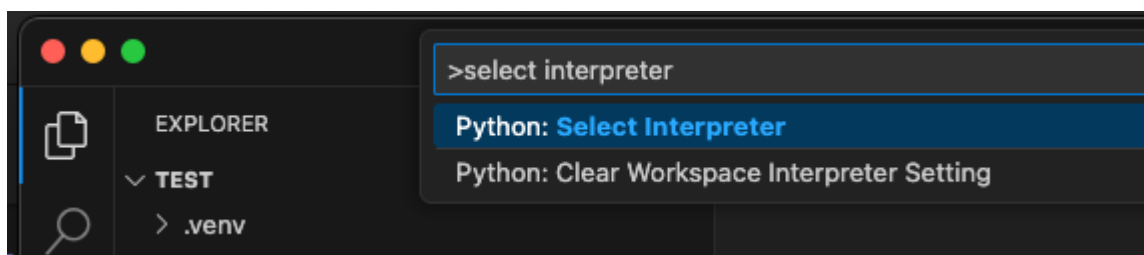- Click *start_vscode.bat*

MacOS Intel or Apple Silicon

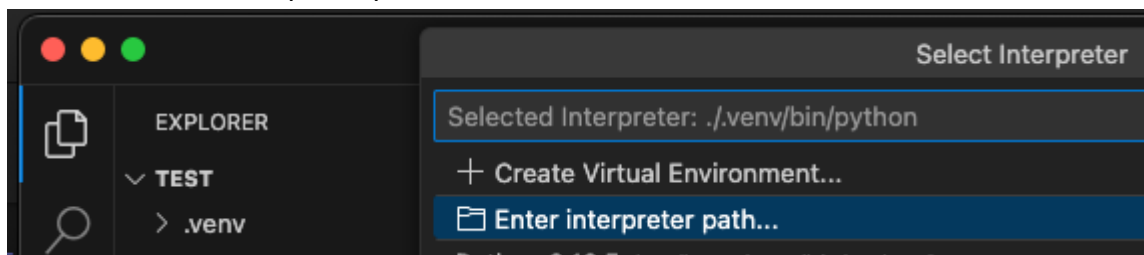Check click Apple in left upper corner "About This Mac" and check "Chip"
- For new laptops with Chip Apple M1 to 4 processor
  - Copy …. apple.zip Documents folder
- OR for older laptops with Chip Intel processor
  - Copy …. intel.zip Documents folder
- Right click on the zip file then select Open with -> "Archive Utility.app"
- Click *start_vscode.sh*

Alternative (ask first):
- In VSCode dir open "Visual Studio Code.app"
- Press keys COMMAND ⌘ + SHIFT + P Then search for "select interpreter" And click on this item:

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- Then click "Enter interpreter path"

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- Find and go to path ~/Documents/mbot-workshop-tools-2025/python/3.13/bin/python

Visual Studio Basics

Open menu Click File -> "Open folder" and choose **test** folder in the
mbot-workshop-tools-2025 folder ~/Documents/mbot-workshop-tools-2025/**test**
Click the button "Yes, I trust the authors"

Open the test.py file in the explorer on the left.
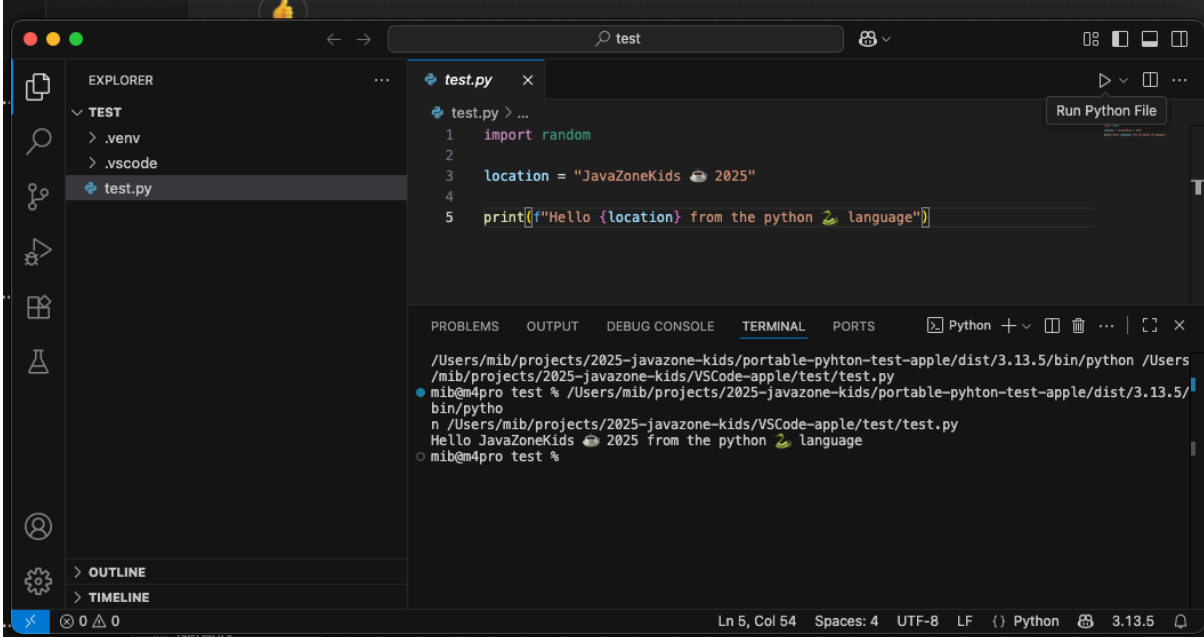
Action 🎯
Press **Play** button -> Run Python file
This will open a TERMINAL on the bottom (see screenshot bellow)

Result
It should give the Hello JazoneKids message like the screenshot below:
✅ Yes then we have installed it correctly. Celebrate 🎉 You are ready for some coding 😀
❌ There should be no error message or colored lines, if so please ask.

Show on screen

        End installing tools.

Python

Interesting links:
Download python installer https://www.python.org/downloads/

Examples extra help, background (not needed)
https://www.w3schools.com/python/python_getstarted.asp
https://media.datacamp.com/cms/python-basics-cheat-sheet-v3.pdf
https://scouv.lisn.upsaclay.fr/python-memento/memento-python3-en-latest.pdf

Robot Checks

Optional (check)

        Port 2 = Line follower

        Port 3 = Distance sensor

Batteries

White Wifi dongle for the laptop