

ENDG 233 – Programming with Data

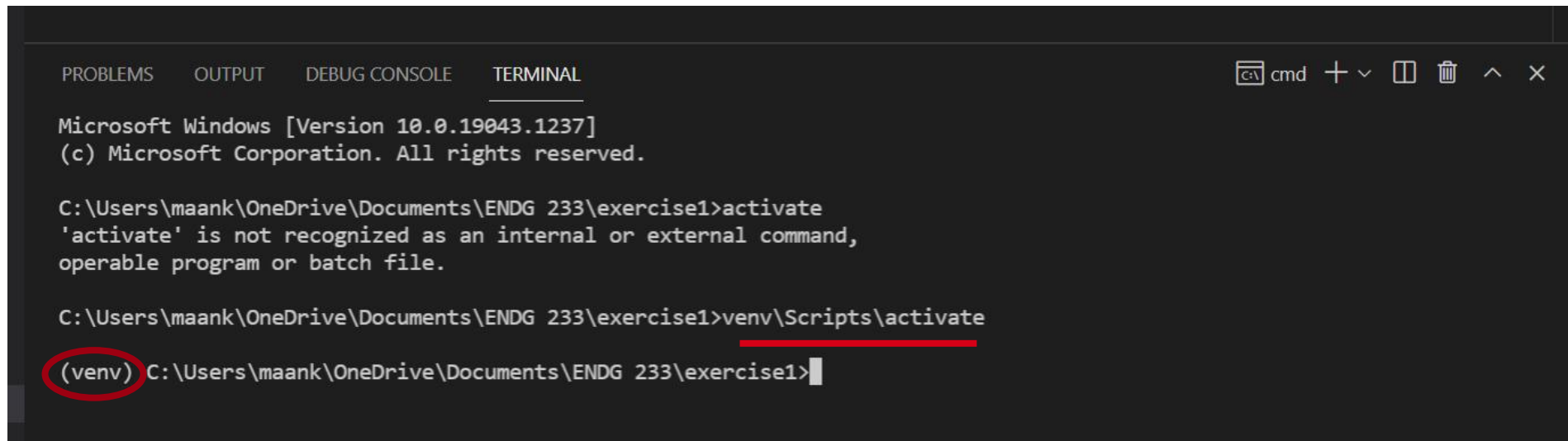
Using python venv interpreter



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Option1: Debugging using venv on terminal

- For a project with a virtual environment already created, to debug your code using the virtual environment you need to:
 1. Activate virtual machine in terminal:



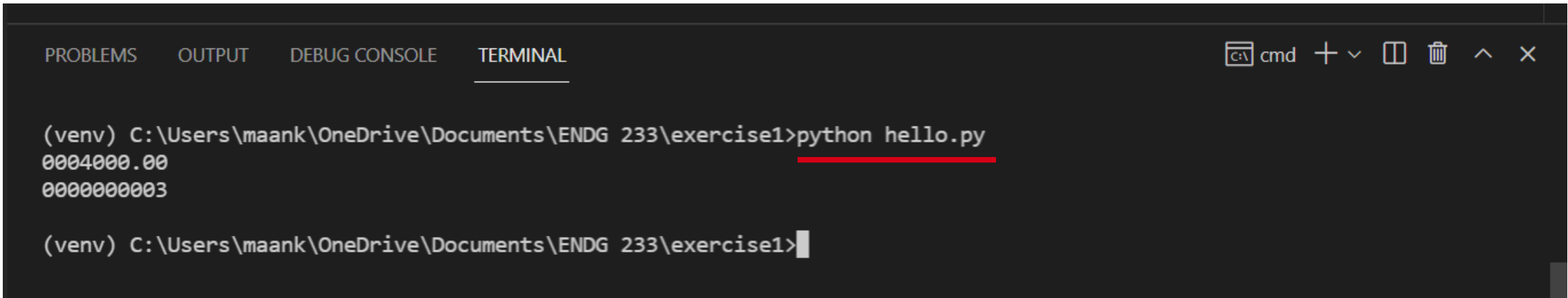
```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL
Microsoft Windows [Version 10.0.19043.1237]
(c) Microsoft Corporation. All rights reserved.

C:\Users\maank\OneDrive\Documents\ENDG 233\exercise1>activate
'activate' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\maank\OneDrive\Documents\ENDG 233\exercise1>venv\Scripts\activate
(venv) C:\Users\maank\OneDrive\Documents\ENDG 233\exercise1>
```

Option1: Debugging using venv on terminal

2. Debug and run your code in terminal using the python command:



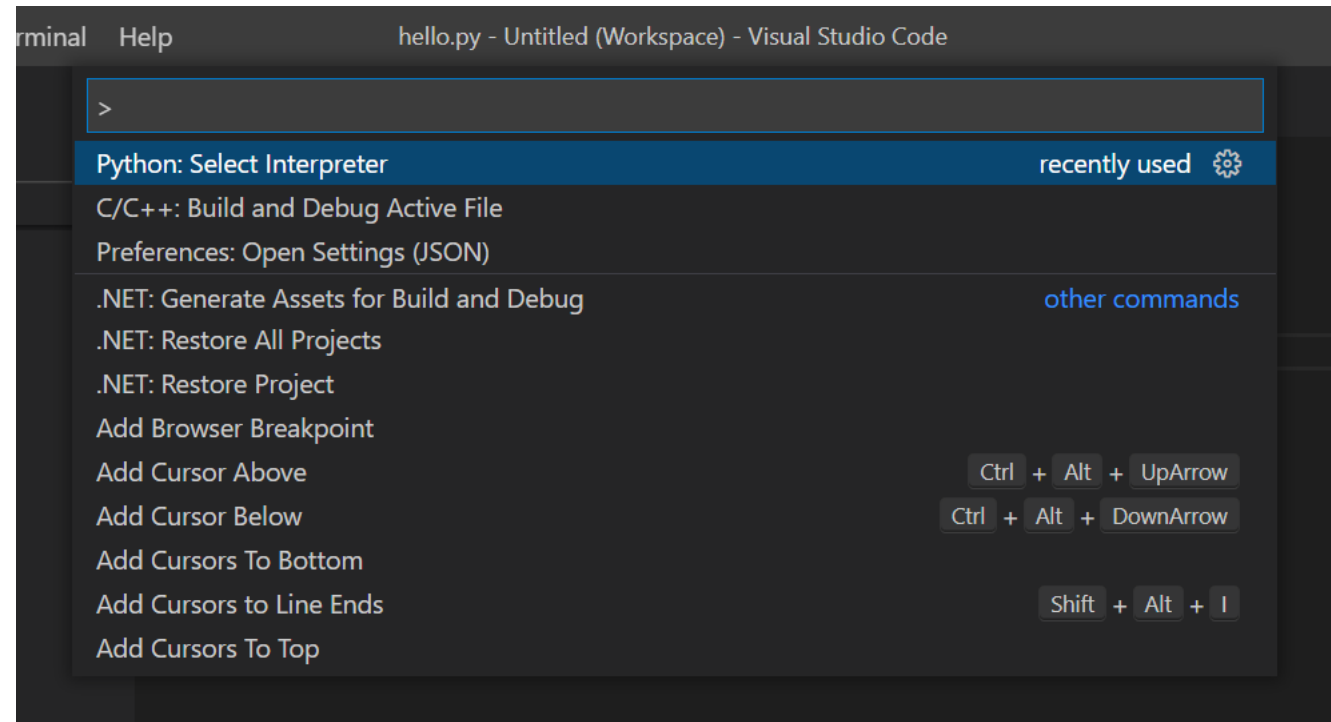
```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
C:\Users\maank\OneDrive\Documents\ENDG 233\exercise1>python hello.py
0004000.00
0000000003

(venv) C:\Users\maank\OneDrive\Documents\ENDG 233\exercise1>
```

- Notes:
 - Make sure files are saved before you run the code using the command
 - Use python3 in stead of python on MacOS and ChromeOS

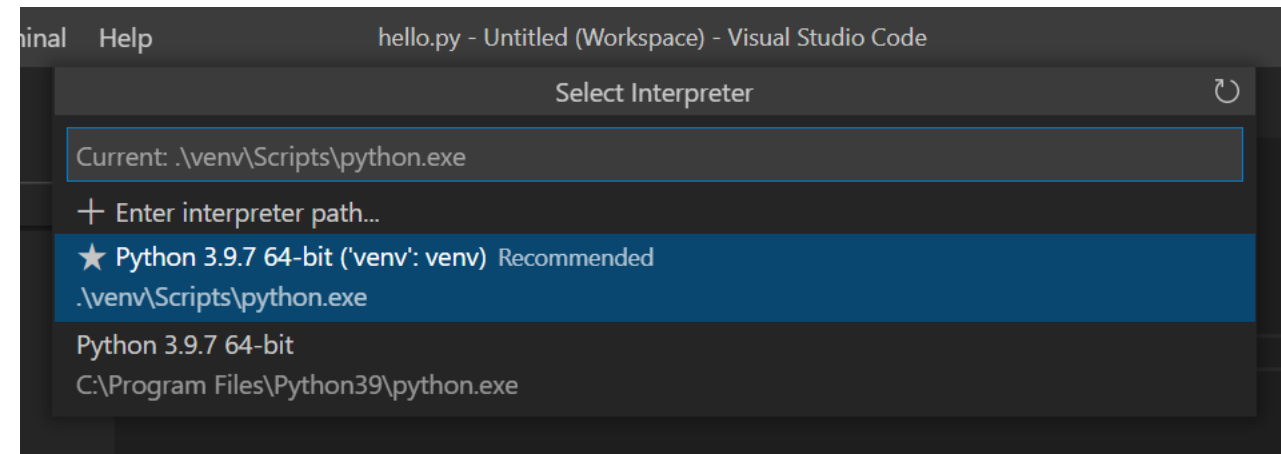
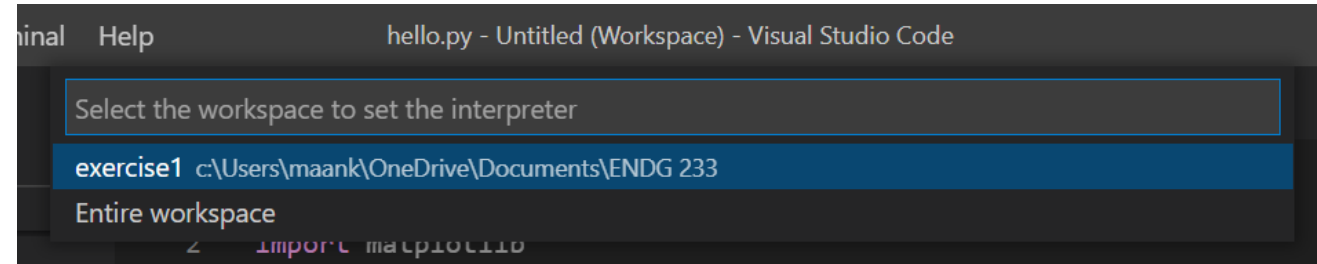
Option2: setting the interpreter to use venv

- Similar to how we set the python interpreter, we can set vscode to use the venv instead.
1. Launch the command palette: ctrl+shift+p or find it under the view tab
 2. Select the : “Python: Select Interpreter” command



Option2: setting the interpreter to use venv

3. Select the project
 4. From the list of available python interpreters, select the venv version
- Note:
 - if the venv interpreter doesn't show in the list, restart vscode
 - You do not need to activate venv through terminal when using this method



Option2: setting the interpreter to use venv

5. If done correctly, the blue ribbon in the bottom of vscode will show the venv as the interpreter

