CSC1002 Tutorial 1 (Guochao Xie)

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Contents

Python for Solving Problems

PolarisHub: a file transfer tool: - Source Code

Python for Fun

Online kNN Digit Recognition (in Flask): - Demo - Source Code

Useful Suggestions for Programming

1. Learn to read documents:
    1. Example: Bokeh
2. Learn to use Google:
    1. To search for questions about Python, you should search `"Python3 ..."`.
    2. Usually, the importance of the resources: official guide > English Blog > English Q&A > Chinese Blogs
3. Learn to use GitHub.
4. Learn to use VSCode's Extensions:

1. The plain VSCode is clean.
2. The VSCode with Extensions is powerful, e.g. you can even have an instant dictionary (Search for: **English word hint**).
3. You can also practice "using VSCode Extension" with changing your theme (Search for: **theme**).

Reminders (From Kinley)

1. Home folder
2. Use simple name for folders and python files (basically alphabets a-z)
3. Explain students about file extension: Python files have the extension **.py** so that the computer can recognize it.
4. In most cases, students will have multiple versions of python installed, use the status bar (lower left corner) to switch.
5. For Windows, change the default shell to "cmd shell"
6. VSC is the tool I will use in class; I will also show them about debugging and version control using VSC.

My Schedule

My personal schedule is here: http://www.xieguochao.com/schedule/.

- 2 Tutorial Sessions:
  - 18:30 - 19:50 Wednesday, TD 303
  - 14:00 - 15:20 Thursday, TD 303
- 1 Office Hour:
  - 15:30 - 16:30 Tuesday, Start-up Zone Library L103 (Reading Room)

If you have difficulty on the time of my office hour, you may make an appointment in advance.