

LTP - Intro to Programming

Download and Installation

1. Download and install Visual Studio Code ("VS Code")
 - <https://code.visualstudio.com/download>
2. Download the code. (This will download a zip file)
 - https://github.com/bpinzone/ltp_intro_programming/archive/refs/heads/main.zip
3. Unzip the downloaded code folder.
 - Mac: double click
 - Windows: Right click -> Extract all

Opening VS Code

4. Open the vscode app
 - Then Click File -> Open Folder -> Open the folder you just extracted.
5. On the left side you should see a list of files. Open "life_logic.py"
 - This is the code you'll be editing later. But first lets try to run it.

Making sure we have the python programming language

6. Click View -> Terminal
 - This opens up a new window on the bottom that we can type commands into.
7. Type "python --version" and hit enter. (note that is 2 dash characters)
 - You should now see "Python" followed by a version number. Not something like "command not found."
 - If you do not, try "python3 --version"
 - If you still do not, you're likely on windows. Download the Python app from the Microsoft Store app. Any of Python 3.13, 3.12 will be fine. Then RESTART vscode!

Installing pygame

8. Next we make sure we have a package manager.
 - You may need to use "python" or "python3" in the below command depending what worked for you above.
 - type "python -m ensurepip --upgrade"
9. Install pygame. You may need to use "pip" or "pip3"
 - type "pip install -r requirements.txt"

Running our program

10. Again, maybe python or python3 depending on above.

- type "python life_logic.py"
- You should see a new window pop up. Try clicking on a few of the cells, then hitting Play