

# LTP - Intro to Programming

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## 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](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.
  - Be sure to open the folder than contains all the files. Not a folder that contains a folder containing the files...
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