# LEARN PYTHON HARD WAY



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- Full hands on course in Python 3
- You will not use any IDLE or integrated development environments, just a simple text editor.
- ☐ Follows the book Learn Python 3 the Hardway (You will receive a copy)
- ☐ You will learn the in's and out's of object oriented programming
- ☐ You will create multiple working applications throughout the course
- ☐ You are expected to complete HW after every class.
- ☐ There are 52 exercises to complete over 10 weeks.



- □ By the end of this lecture you should be able to:
  - ☐ Setup the Python environment on the operating system of your choice (Let's do Linux)
  - □ Confirm that the Python Environment is setup correctly
  - □ Write exercises using ATOM (Text editor)
  - ☐ Run the exercises from terminal or Powershell depending on the environment.
  - ☐ Fix any issues with your code or sample code

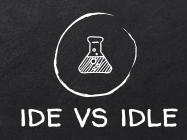


# SET UP

Let's start with the exercise 0, the setup, at page 3

66

Set up a distraction-free environment for yourself that will help you focus at your task



**x** which one are we using for this course?



### ONCE THE ENVIRONMENT IS SET UP:

Continue to page 5 and complete the exercise Finding Things on the Internet

X Discuss the exercise



# A GOOD FIRST PROGRAM

page 8



- X Print using atom
- X Run the file using linux/macOS terminal
- X Do you see the expected output?



Study Drills contain things you should try to do. If you can't, skip it and come back later.



### COMMON ERRORS AND QUESTIONS

**X** Error

**x** file doesn't run;.

**x** can't open file



X



# COMMENTS AND # CHARACTER

Turn to page 14,



- **X** Write code in *atom*
- X Run the file using linux
- X Do you see the expected output?



### ANY QUESTIONS?







ANY ERRORS?



Study Drills contain things you should try to do. If you can't, skip it and come back later.



```
#12 percent of 120
    percentage = 12*120/100
```

OR

percentage = 12\*120/100 #12 percent of 120



- 1. Read page 248 250
- 2. use page 251 281 to exercise the following cmd
  - a. pwd
  - b. mkdir
  - c. cd
  - d. Is
  - e. rmdir
  - f. cp
  - g. mv



- Complete Exercise 0 at home, set up Python on the operating system of your choice.
- 2. Complete Exercise 3, numbers and math
- 3. Make sure to complete the study drills
- 4. Bring any questions with you to the next class