



INTRO TO PYTHON FOR DATA SCIENCE

Hello Python!



What you will learn

- Python
- Specifically for Data Science
- Store data
- Manipulate data
- Tools for data analysis



How you will learn




Python

- Guido Van Rossum
- General Purpose: build anything
- Open Source! Free!
- Python Packages, also for Data Science
 - Many applications and fields
- Version 3.x – <https://www.python.org/downloads/>



IPython Shell

Execute Python commands

 DataCamp

< Course Outline >

Calculations with variables 100xp


Remember how you calculated the money you ended up with after 7 years of investing \$100? You did something like this:

```
100 * 1.10 ** 7
```

Instead of calculating with the actual values, you can use variables instead. The `savings` variable you've created in the previous exercise represents the \$100 you started with. Up to you to create a new variable to represent `1.10` and then redo the calculations!

Instructions

- Create a variable `factor`, equal to `1.10`.
- Use `savings` and `factor` to calculate the amount of money you end up with after 7 years. Store the result in a new variable, `result`.
- Print out the value of `result`.

 [Take Hint \(-30xp\)](#)

script.py

```
1 # Create a variable savings
2 savings = 100
3
4 # Create a variable factor
5
6
7 # Calculate result
8
9
10 # Print out result
```

Submit Answer

IPython Shell

```
In [1]: |
```



IPython Shell



Python Script

- Text Files - .py
- List of Python Commands
- Similar to typing in IPython Shell



Python Script



DataCamp Interface

Course Outline

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Shell



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Let's practice!