



PYTHON BOOTCAMP

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VARIABLES AND DATA TYPES



Variable:

- Name assigned to a particular data.

Data Types:

- String
- Integer
- Float
- Boolean

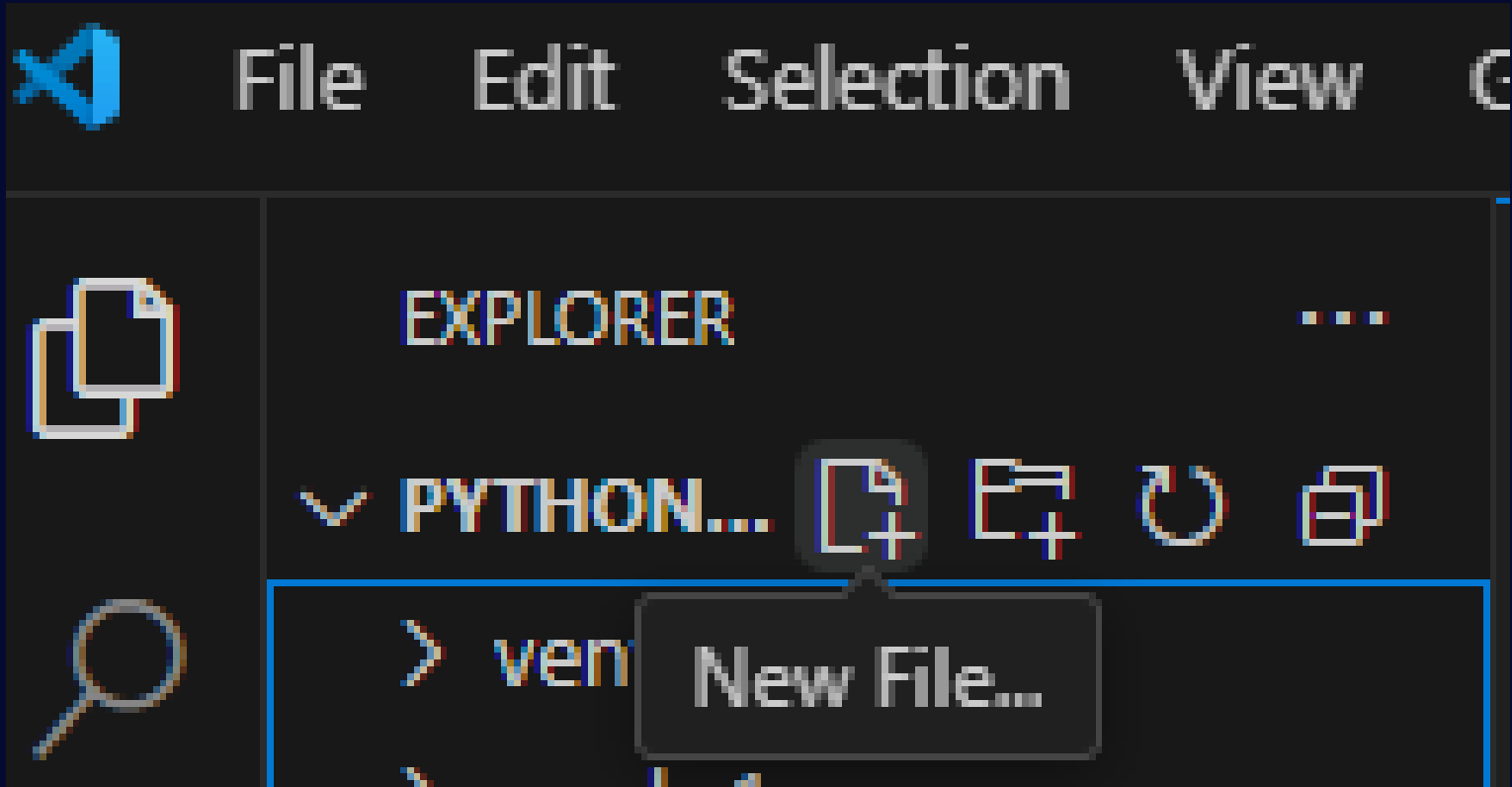
1. Create virtual environment : `python -m venv myvenv`
2. Activate virtual environment: `myvenv\Scripts\activate`

```
(venv) PS C:\Users\admin\Desktop\README\jom_hack\python_content\week_3\crud_mongo> |
```

0 0

Ln 40, Col 34 Spaces: 2 UTF-8 CRLF {} Python 3.11.9 (venv) Go Live Prettier

3. Create python file



4. Write python code

```
3  name = "Bob"      # String
4  age = 10          # Integer
5  weight = 20.5     # Float
6  is_female = False # Boolean
7
8  print(name)
9  print(type(name))
```

5. Run python file

```
(venv) PS C:\Users\admin\Desktop\README\jom_hack\python_content\week_3\crud_mongo> python your_file_name.py
```


Math Operations




```
13  x = 10
14  y = 3
15
16  print(x + y)    # Addition
17  print(x - y)    # Subtraction
18  print(x * y)    # Multiplication
19  print(x / y)    # Division
20  print(x // y)   # Floor division
21  print(x % y)    # Modulus
22  print(x ** y)   # Exponentiation
```


Exercise:




1. Create variables that consist String, Integer, Float, and Boolean data types. Print value for each key.
2. Convert Celsius to Fahrenheit. ($F = C * 9/5 + 32$)
celcius = 25


VSCode Extension (optional):







Python
Microsoft  [microsoft.com](#) |  182,157,737 | ★★★★★☆ (618)
Python language support with extension access points for IntelliSense (Pylance), Debugging (Python ...
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




Python Debugger
Microsoft  [microsoft.com](#) |  87,725,445 | ★★★★★☆ (13)
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




Gemini CLI Companion Preview
Google  [google.com](#) |  101,543 | ★★★★★☆ (6)
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




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


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