JOMHACK
INSPIRE INNOVATION

PYTHON
BOOTCAMP

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VARIABLES AND DATA TYPES

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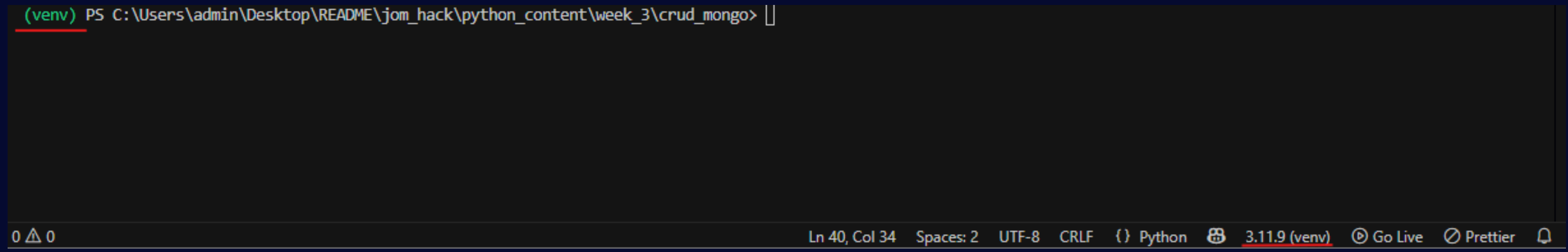
Variable:

- Name assigned to a particular data.

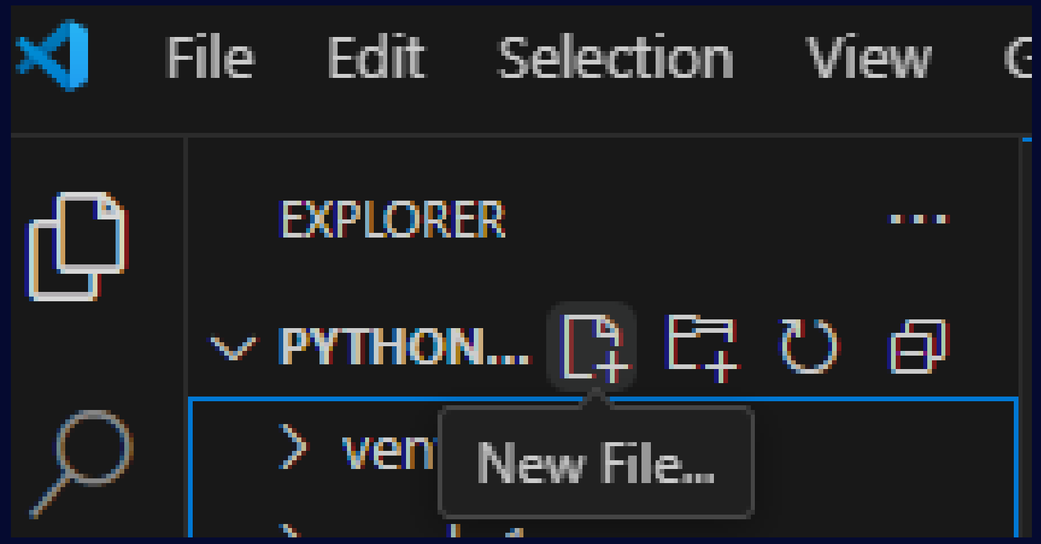
Data Types:

- String
- Integer
- Float
- Boolean

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



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

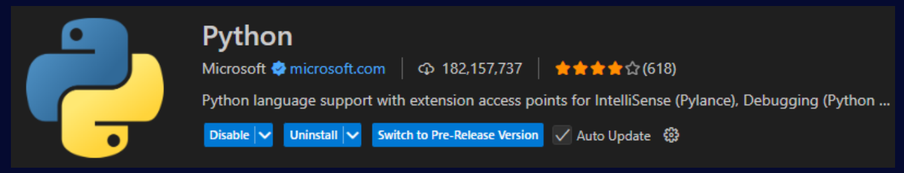
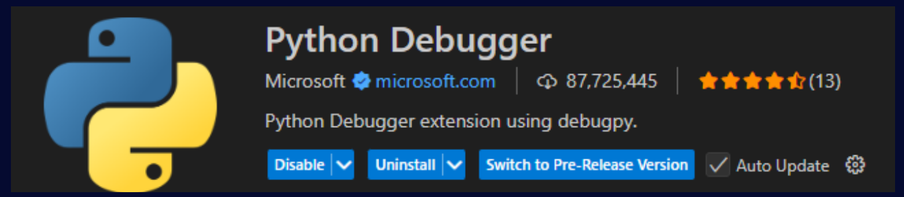
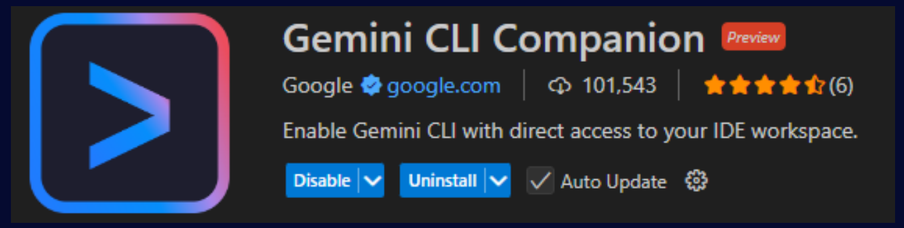
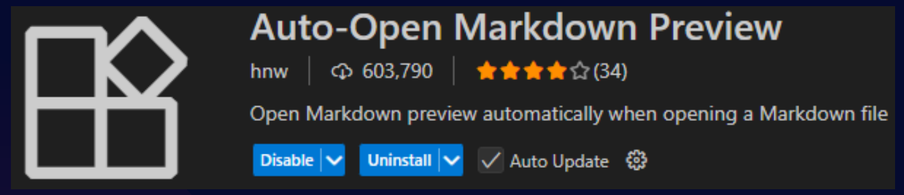
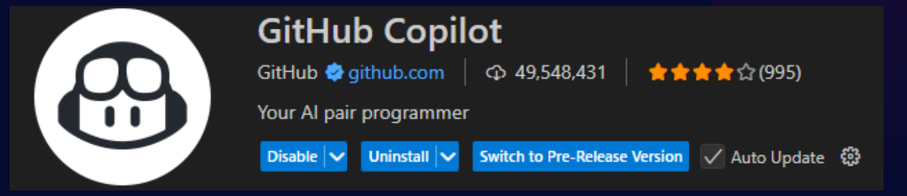
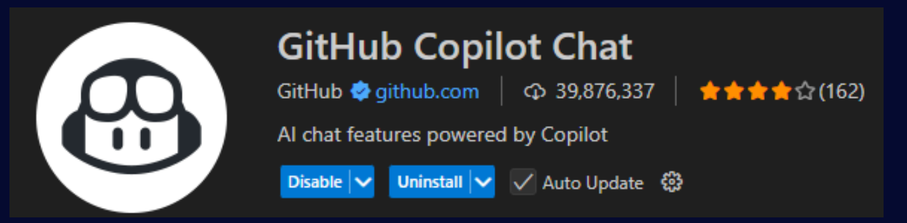
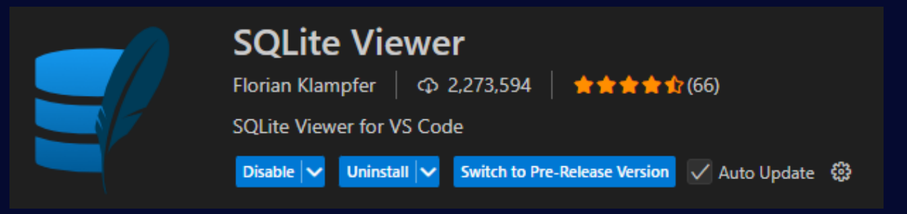
```
(venv) PS C:\Users\admin\Desktop\README\jom_hack\python_content\week_3\crud_mongo> python your_file_name.py
```

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):