First Program in Python

- `hello_python.py`

  - ```
    print("learning python")
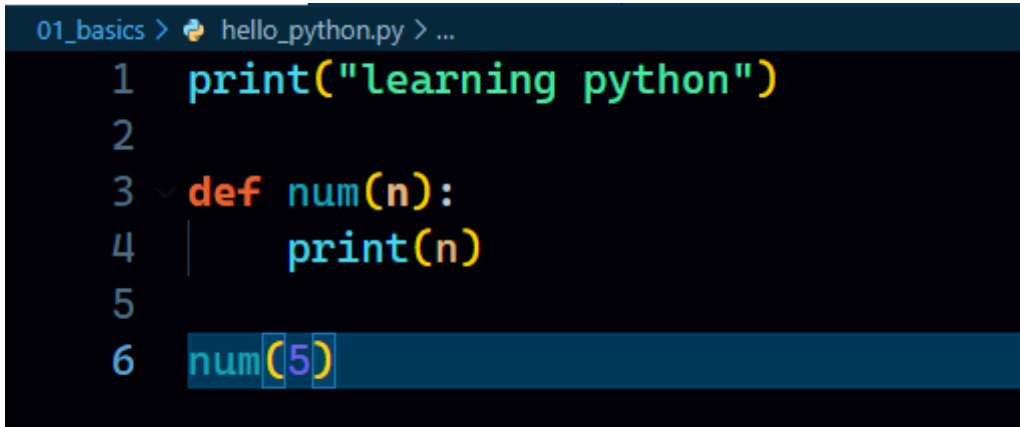   ```

- Output after running this

  -
    ```
    PS E:\python-learning> python 01_basics/hello_python.py
    learning python
    ```

An interesting thing

- We have created `hello_python.py` .
- Now add the following code (No need to understand - just follow)

  - ```
    def num(n):
    print(n)

    num(5)
    ```
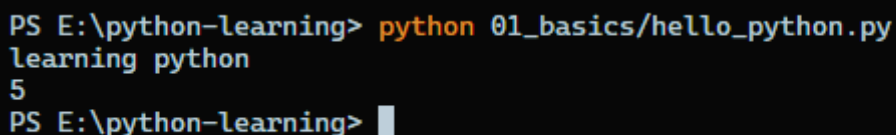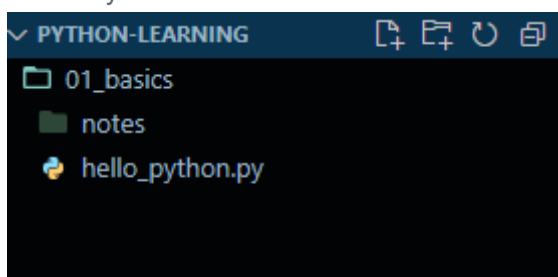

- This is just a function. Now if we run this. Output


```
PS E:\python-learning> python 01_basics/hello_python.py
learning python
5
PS E:\python-learning>
```
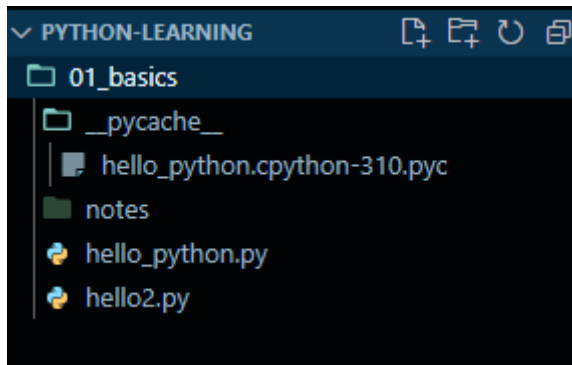
- Directory

- Now we will create one more file `hello2.py` in the same directory and will call the `num` function from this file

```
01_basics > 🐍 hello2.py
  1    from hello_python import num
  2    num(20)
```
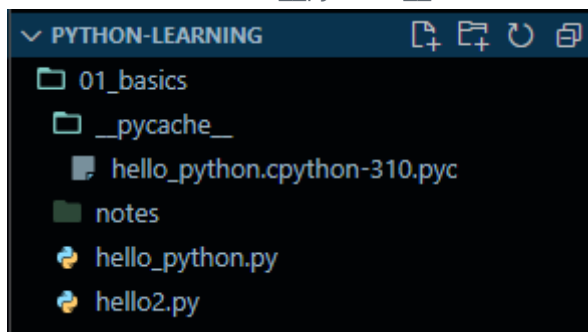
- Now after running this file. Output

```
PS E:\python-learning> python 01_basics/hello2.py
learning python
5
20
```

- Nothing extraordinary in output
- But there will be a change in the directory.

```
∨ PYTHON-LEARNING
  📁 01_basics
    📁 __pycache__
      📄 hello_python.cpython-310.pyc
    📁 notes
    🐍 hello_python.py
    🐍 hello2.py
```

- A new folder named `__pycache__` has been created with a `.pyc` file inside it.

```
∨ PYTHON-LEARNING
  📁 01_basics
    📁 __pycache__
      📄 hello_python.cpython-310.pyc
    📁 notes
    🐍 hello_python.py
    🐍 hello2.py
```

- So this compels us to study about **Inner working of Python** which will be done next.