### **CENG 113 – Programming Basics**

Lab 2

### Python in Visual Studio Code (VS Code)

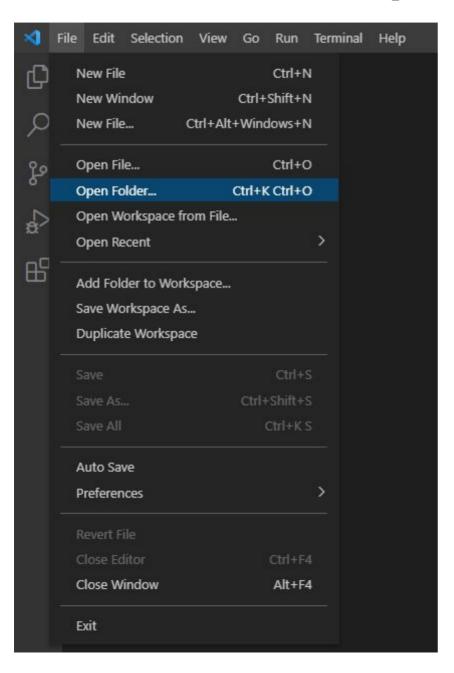
### **Prerequisites**

- VS Code
- VS Code Python extension
- Python interpreter

#### Useful link:

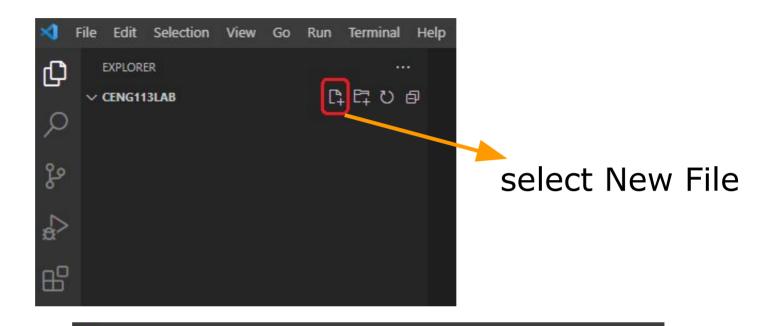
https://code.visualstudio.com/docs/python/python-tutorial

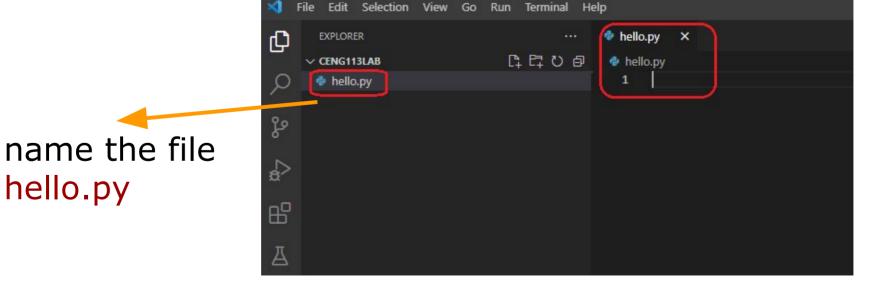
## Create a project folder



- File
- Open Folder
- Create a new folder named CENG113Lab, or open an existing folder

# Create a Python file





# Run a Python File

```
hello.py
hello.py
print("Hello World")
2
```

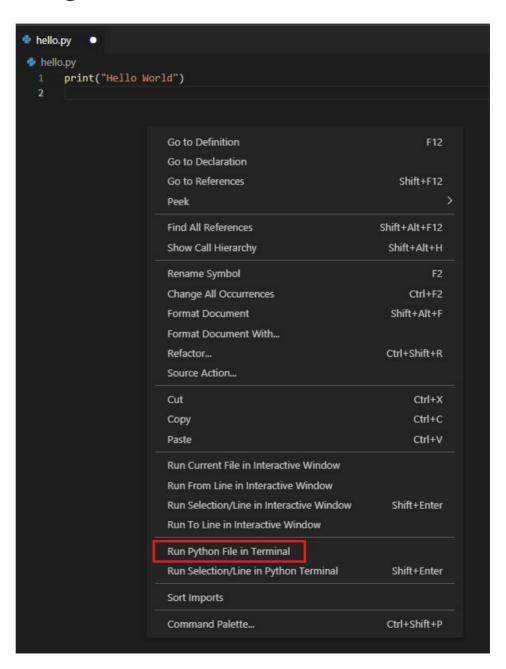


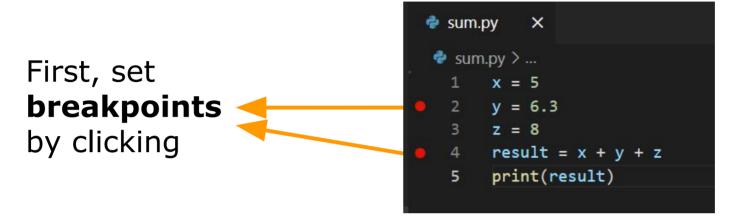
Output

# Run a Python File

# The another way to run a Python file:

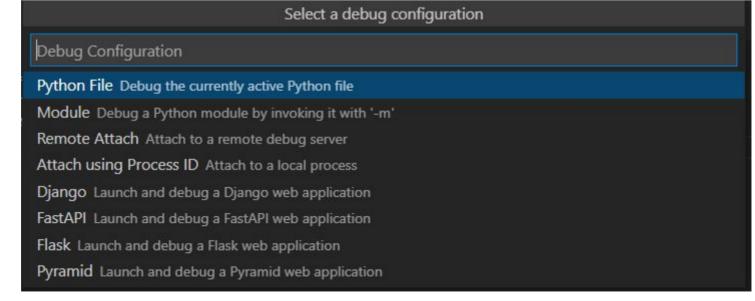
- click right
- select





• Then, to initialize the debugger, press **F5** 

For the first time debugging, select "Python file"



The second way to start the debugger:

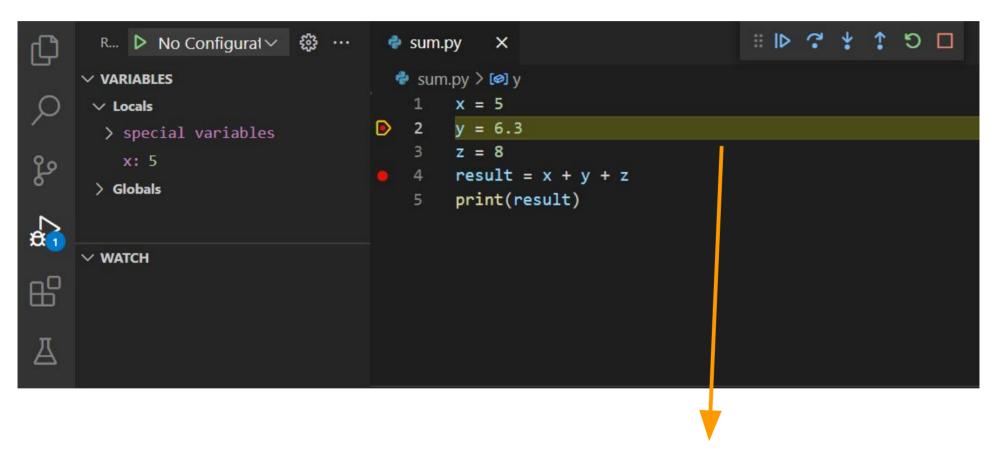
```
sum.py X

sum.py > ...
    Run Python File in Terminal

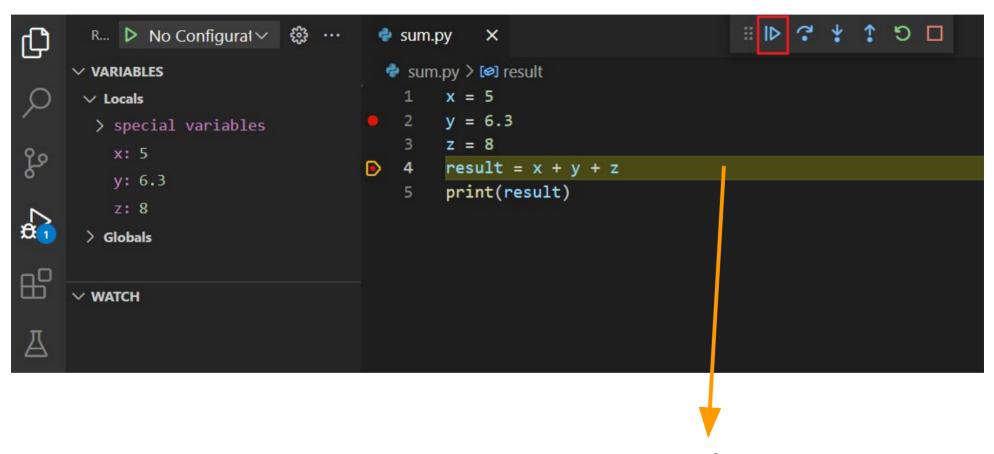
    x = 5
    Debug Python File in Terminal

2    y = 6.3
    z = 8

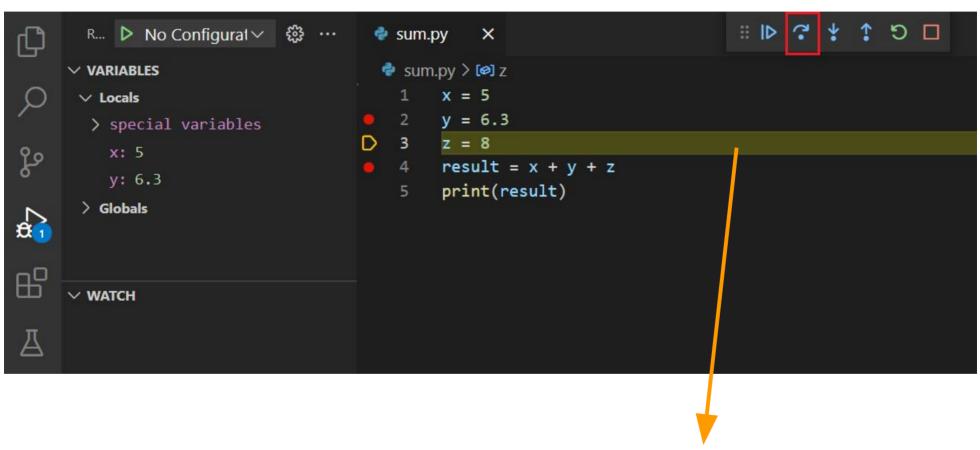
4    result = x + y + z
    print(result)
```



stops at the first breakpoint



stops at the next breakpoint



moves to the next line



# **Example: Area of a Circle**

Create a Python file named circle\_area.py

```
radius = 10
area = radius * radius * 3.14
print(area)
```