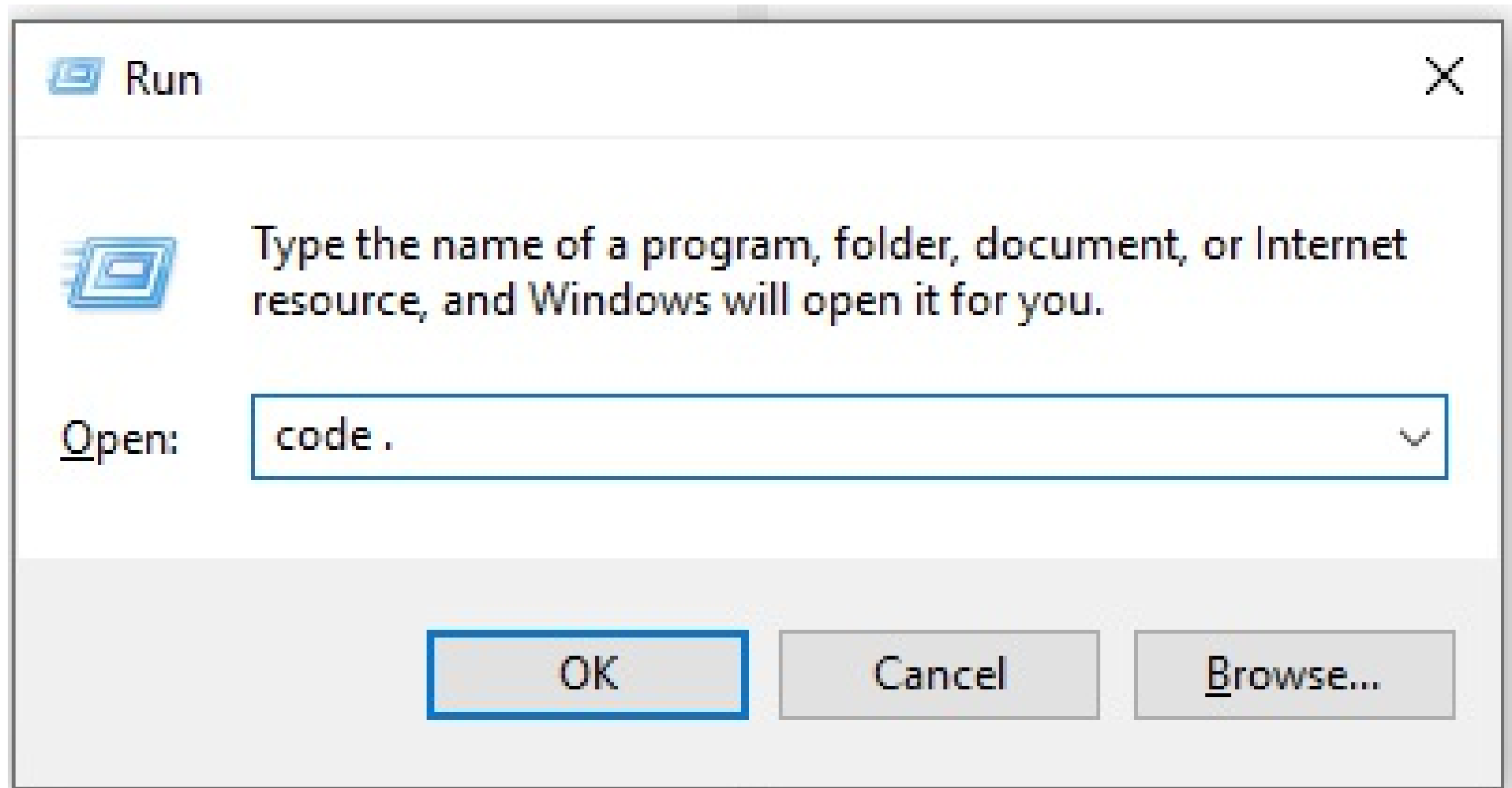
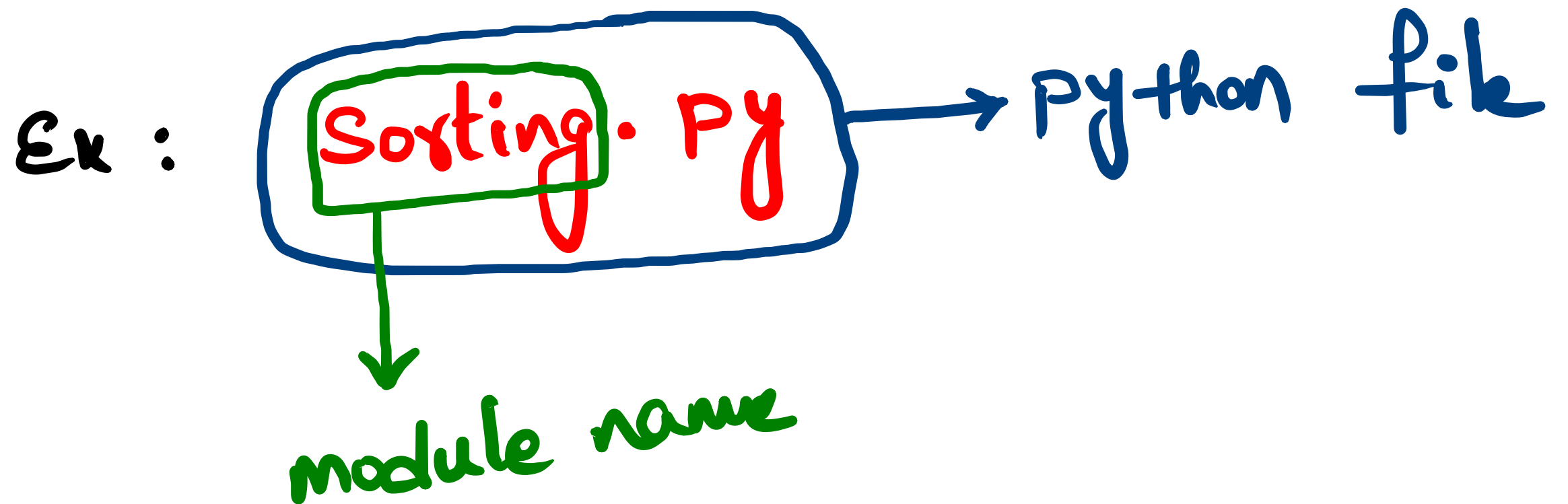


To launch Visual Studio Code IDE



Module : is a python file name



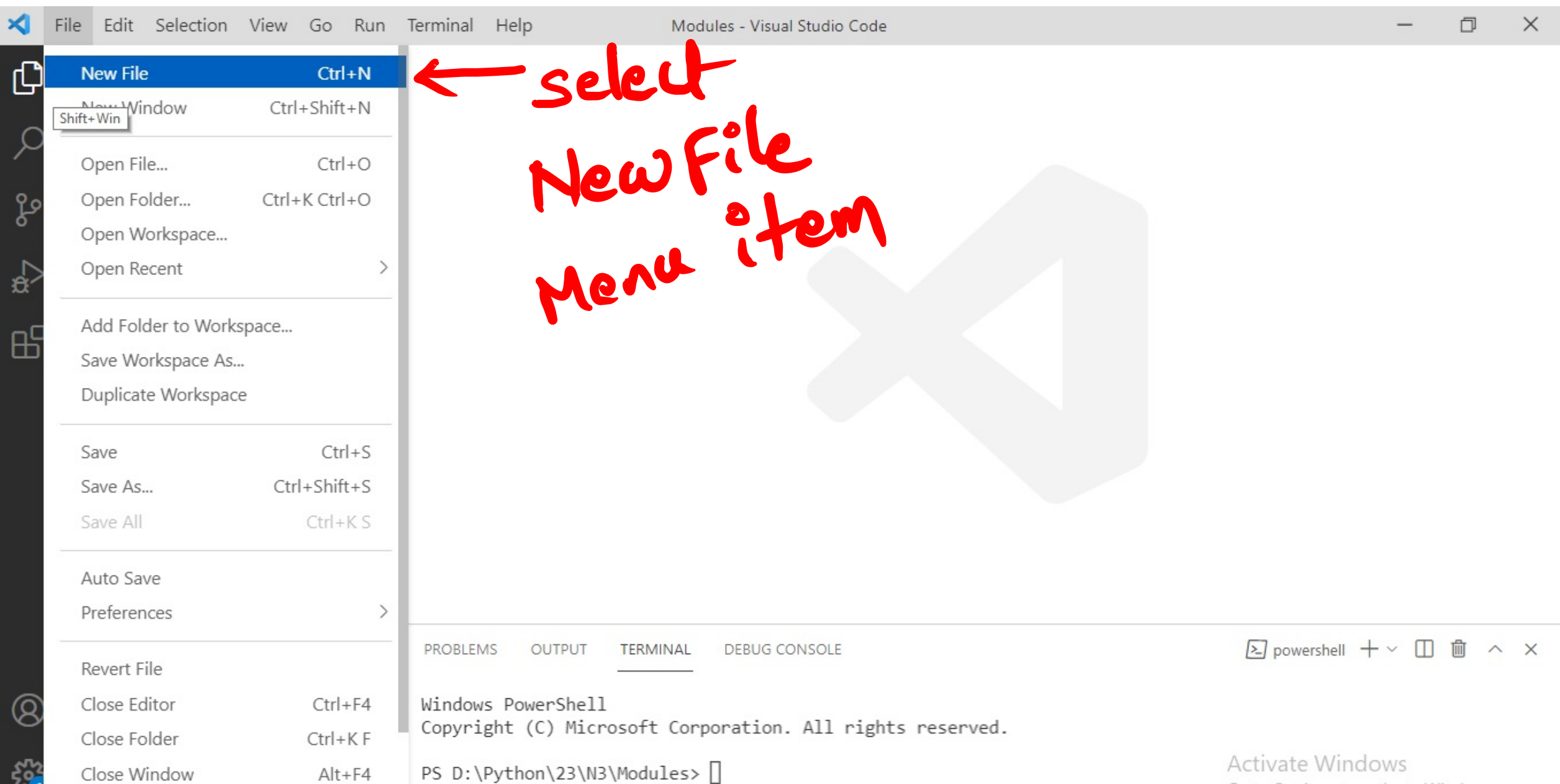
# How to execute python file or module?

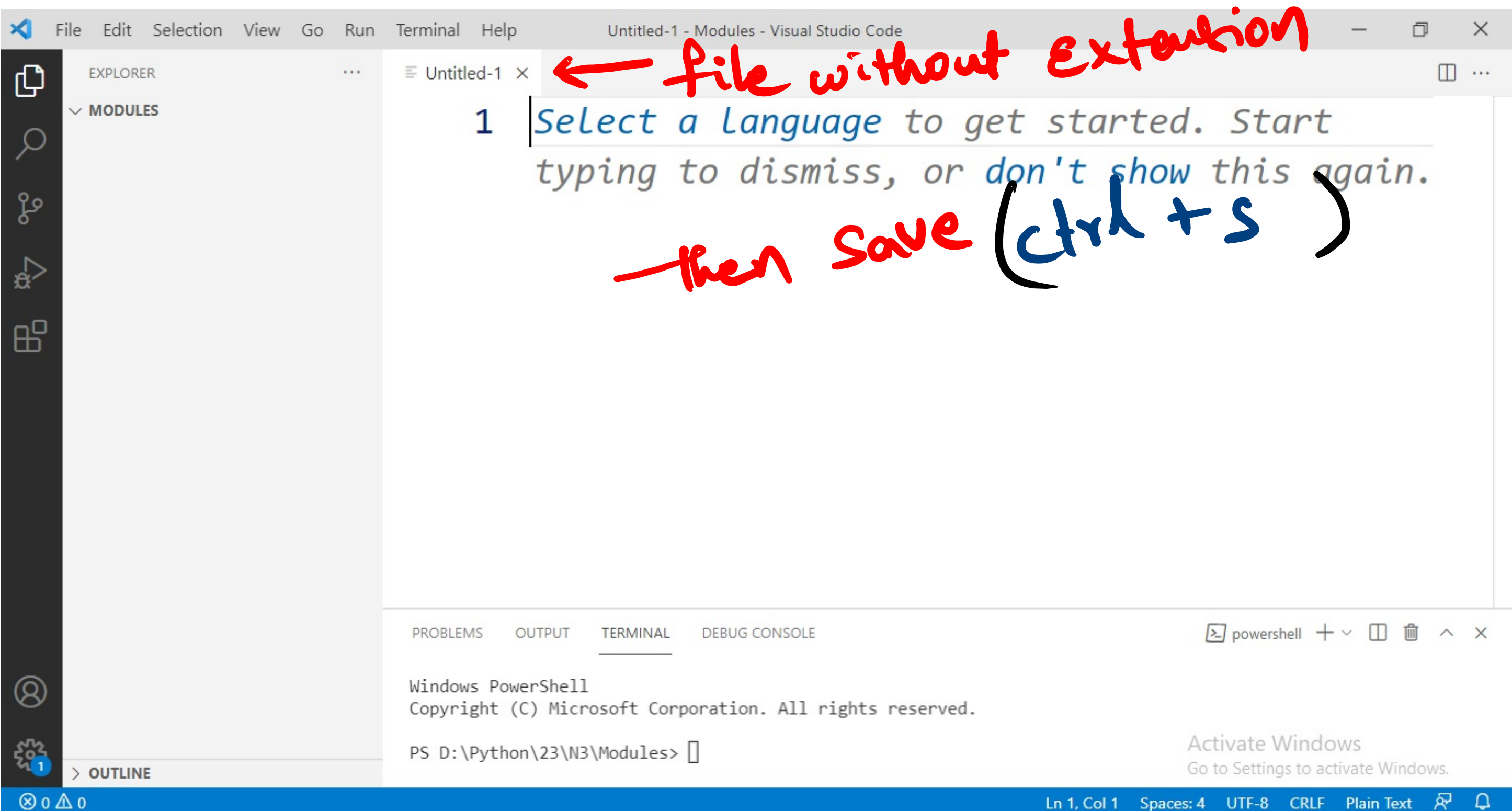
PS D:\Python\23\N3\Modules> *python* *sorting.py*

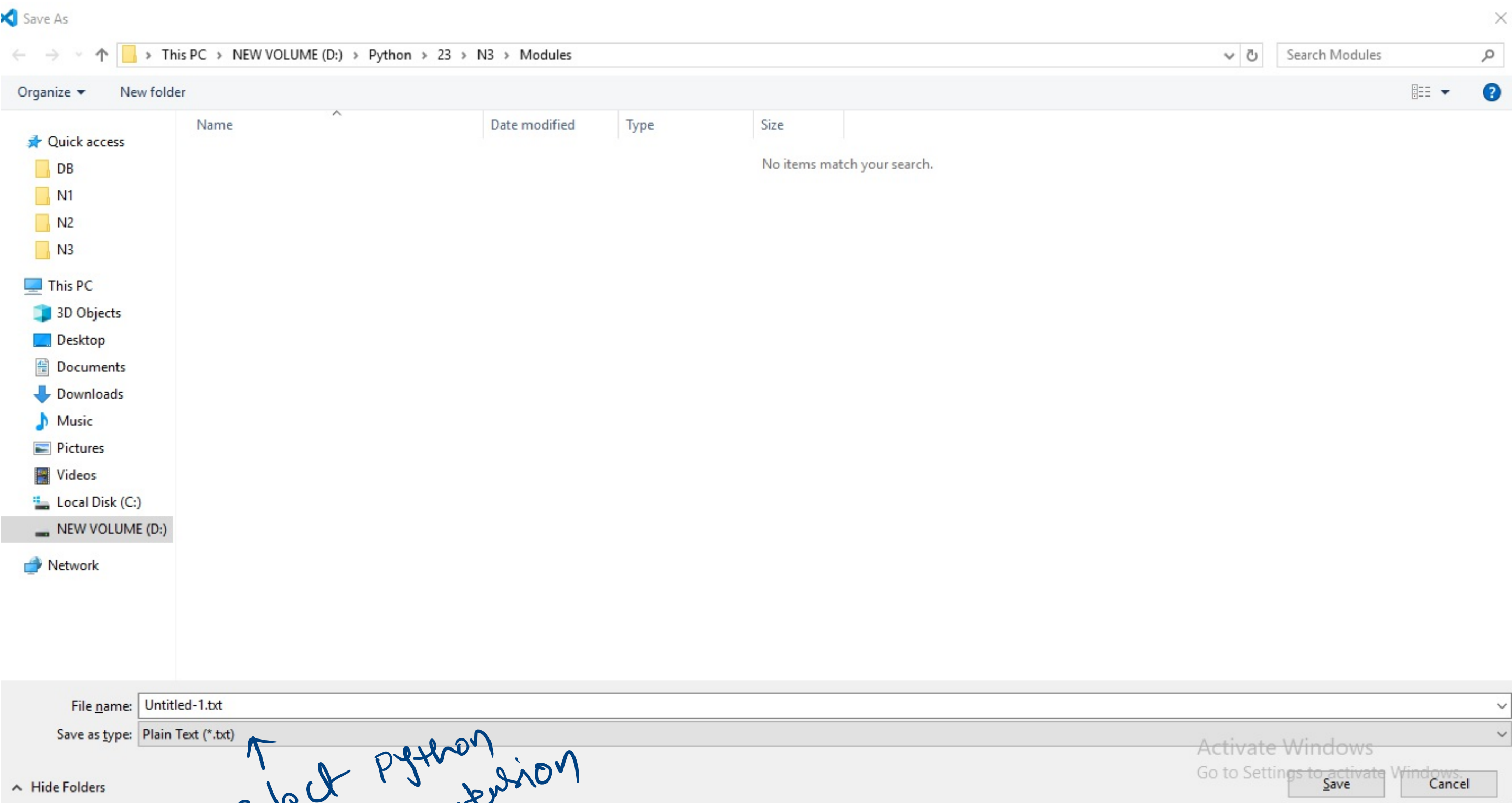
*Command* ↓

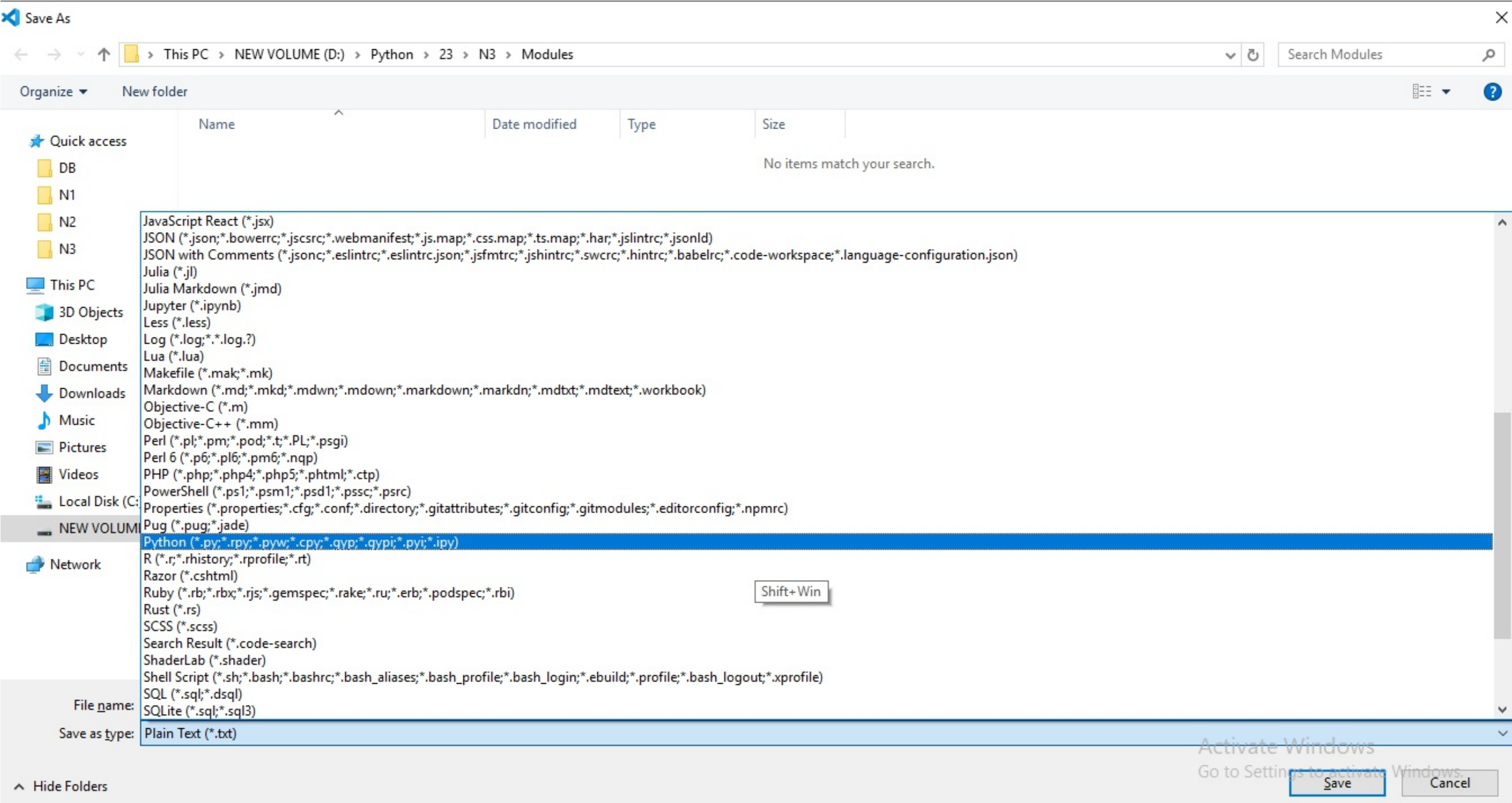
*python file name* ↓

# Method-1 to create a python file





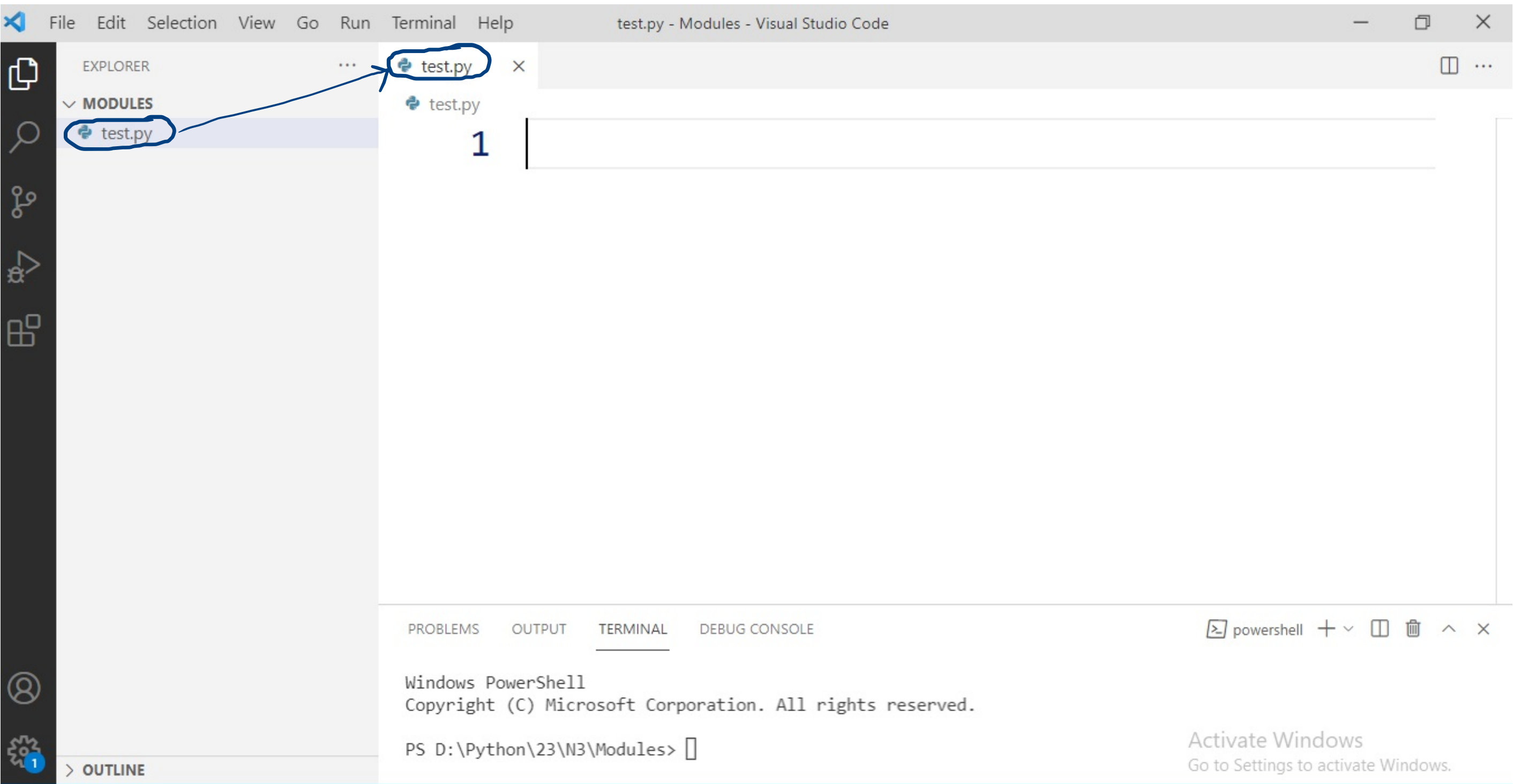






click on save  
button





FileEditSelectionViewGoRunTerminalHelp

test.py - Modules - Visual Studio Code

EXPLORER

test.py

test.py

test.py

1 print('python file name : test.py ')

PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

powershell

Copyright (C) Microsoft Corporation. All rights reserved.

PS D:\Python\23\N3\Modules> python test.py

python file name : test.py

PS D:\Python\23\N3\Modules>

Activate Windows  
Go to Settings to activate Windows.

Ln 1, Col 37 Spaces: 4 UTF-8 CRLF Python

terminal.

Execution

output

File Edit Selection View Go Run Terminal Help test.py - Modules - Visual Studio Code

EXPLORER

MODULES

test.py

```
1 print('python file name : test.py ')
2 print('python file name :',__name__)
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

powershell

```
PS D:\Python\23\N3\Modules> python test.py
python file name : test.py
python file name : __main__
PS D:\Python\23\N3\Modules>
```

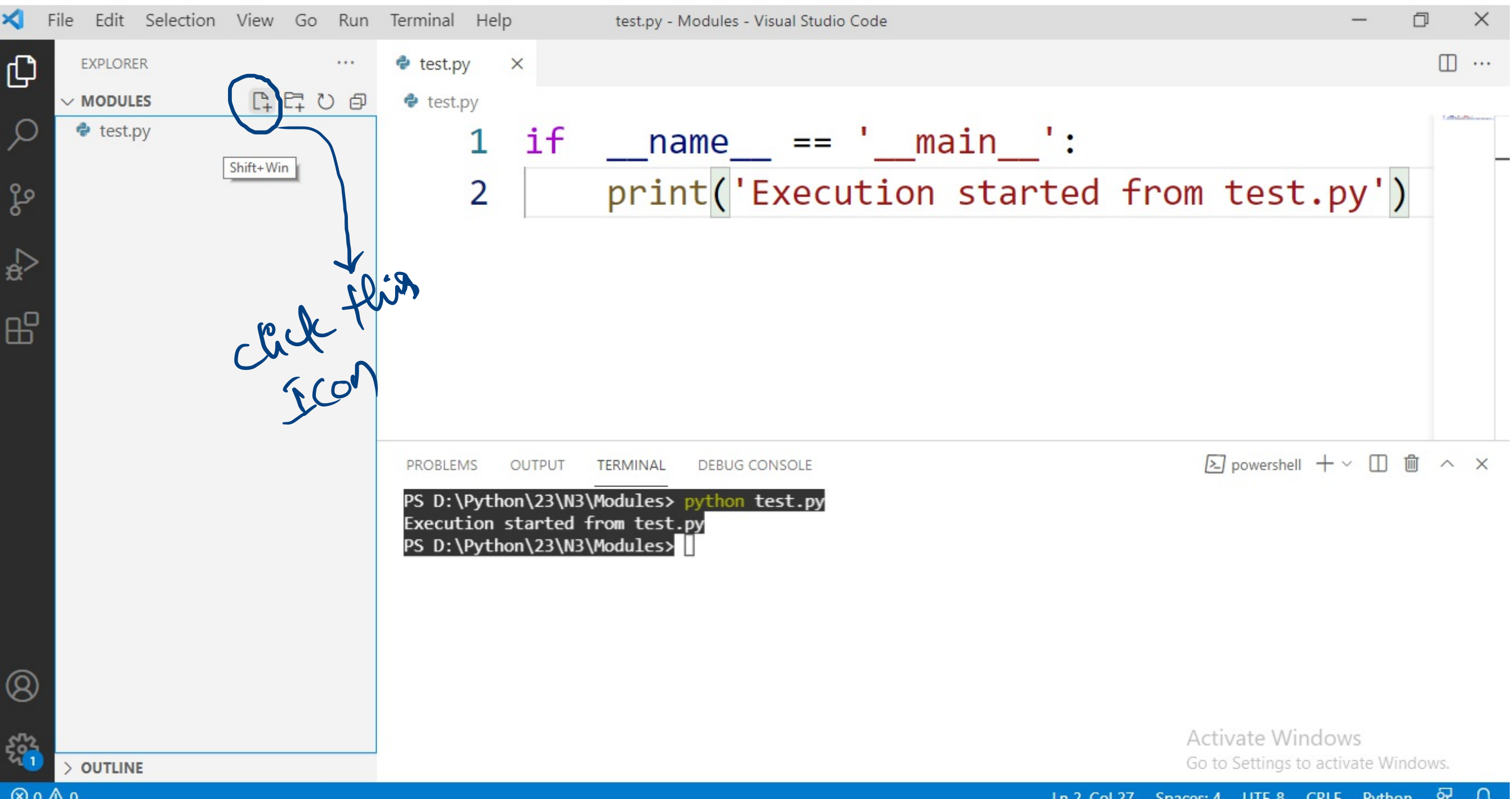
Activate Windows  
Go to Settings to activate Windows.

Ln 2, Col 36 Spaces: 4 UTF-8 CRLF Python

python file name

module name

# Method - 2 to create python file



File Edit Selection View Go Run Terminal Help test.py - Modules - Visual Studio Code

EXPLORER

MODULES

test.py

test.py

1 `if __name__ == '__main__':`

2 `print('Execution started from test.py')`

Enter file name with extension and then click on Enter button

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

PS D:\Python\23\N3\Modules> `python test.py`

Execution started from test.py

PS D:\Python\23\N3\Modules>

Activate Windows  
Go to Settings to activate Windows.

Ln 2, Col 27 Spaces: 4 UTF-8 CRLF Python

test.py

```
test.py x test1.py
test.py
1 x = 10
2 def f1():
3     print('f1 function definition')
4     print('module name :', __name__)
5
6
7 if __name__ == '__main__':
8     print('Execution started from test.py')
```

test1.py

```
test.py test1.py x
test1.py
1 x = 10
2 def f1():
3     print('f1 function definition')
4     print('module name :', __name__)
5
6
7 if __name__ == '__main__':
8     print('Execution started from test1.py')
```



test.py

```
test.py x test1.py
test.py
1 import test1
2
3 x = 10
4 def f1():
5     print('f1 function definition')
6     print('module name :', __name__)
7
8 print(x)
9 f1()
10
11
12 if __name__ == '__main__':
13     print('Execution started from test.py')
```

test.py

test1.py

```
test.py test1.py x
test1.py
1 x = 20
2 def f1():
3     print('f1 function definition')
4     print('module name :', __name__)
5
6
7 if __name__ == '__main__':
8     print('Execution started from test1.py')
```

output:

10

f1 function definition

module name : \_\_main\_\_

Execution started from test.py

test.py

```
test.py x test1.py
test.py
1 import test1
2
3 x = 10
4 def f1():
5     print('f1 function definition')
6     print('module name :', __name__)
7
8 print(x)
9 f1()
10
11 print(test1.x)
12 test1.f1()
13
14
15 if __name__ == '__main__':
16     print('Execution started from test.py')
```

→ test.py

→ test1.py

test1.py

```
test.py test1.py x
test1.py
1 x = 20
2 def f1():
3     print('f1 function definition')
4     print('module name :', __name__)
5
6
7 if __name__ == '__main__':
8     print('Execution started from test1.py')
```

10  
f1 function definition  
module name: \_\_main\_\_

20  
f1 function definition  
module name: test1

Execution started from test.py



test.py

```
test.py x test1.py
test.py
1 import test1
2
3 x = 10
4 def f1():
5     print('f1 function definition')
6     print('module name :', __name__)
7
8
9 if __name__ == '__main__':
10     print('Execution started from test.py')
11     print(x)
12     f1()
```

test1.py

```
test.py test1.py x
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5
6
7 if __name__ == '__main__':
8     print('Execution started from test1.py')
9     print(x)
10    f1()
```

test.py

Execution started from test.py

f1 function definition

module name : \_\_main\_\_

test.py

```
test.py x test1.py
test.py
1 import test1
2
3 x = 10
4 def f1():
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6     print('module name :', __name__)
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8
9 if __name__ == '__main__':
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11     print(x)
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```

test1.py

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8     print('Execution started from test1.py')
9     print(x)
10     f1()
```

test1.py

Execution started from test1.py

20  
f1 function definition  
module name: \_\_main\_\_