

Modules in python

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To put it simply, Module is a file containing python code



A module can define functions, classes and variables and can also include runnable code. There are pre-defined modules in python standard library

There two keywords which are important in the modules of python

from

import

Allows you to specify the things that you want to import from a module

Import command allows you to import the complete module

```
from utils import add, subtract
```

```
import os
```

Here they are majorly we will write a function in one file and by using from and import we can use that public method in another

File-1

```
def add(x, y):  
    return x + y  
  
def multiply(x, y):  
    return x * y
```

File-2

```
1 from utils import add, multiply  
2  
3 print(add(7, 9))
```

We can also import the 2 functions

```
from utils import add, multiply
print(add(7, 9))
print(multiply(7, 9))
```

Standard libraries in the Python

Python's standard library is very extensive and offers a wide range of facilities



The standard library contains built-in modules, that provides access functionalities such as I/O. All the data types, functions and modules that we learned so far are available because of the standard library.

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Here by using libraries of OS I can print any file data in my console in python

```
1 import os
2
3 print(os.listdir('./data'))
```