

Package and Modules

- package-->collection of Modules(python files.py) and sub packages
- subpackage-->
- Modules--->A single python file contains functions
- package-->subpackage-->modules-->functions

```
In [3]: import math
        math.floor(123.34)
        math.pi
```

Out[3]: 3.141592653589793

```
In [4]: from math import floor,pi
        floor(91937.913793)
        pi
```

Out[4]: 3.141592653589793

```
In [5]: from math import floor as fl
        fl(91937.913793)
```

Out[5]: 91937

```
In [6]: import random
        def generateNrandomNumbers(n,lb,ub):
            for i in range(0,n):
                print(random.randint(lb,ub),end=" ")
        generateNrandomNumbers(10,0,100)
```

98 61 76 65 94 29 48 94 15 71

```
In [2]: from Packages import numerical
        print(numerical.isPrime(5))
        print(numerical.factorial(7))
        print(numerical.upper('abcCDE'))
```

True
5040
ABCcde