

## unit-7 module

```
In [1]: import mymodule
```

```
In [2]: print(mymodule.x)
```

800

```
In [3]: mymodule.add(20,30)
```

sum= 50

```
In [4]: mymodule.product(2,5)
```

product= 10

```
In [5]: import mymodule as m  
m.add(40,50)
```

sum= 90

```
In [ ]:
```

```
In [6]: from mymodule import x,add  
print(x)
```

800

```
In [7]: add(10,40)
```

sum= 50

In [8]: `product(3,7)`

```
-----  
NameError                                Traceback (most recent call last)  
<ipython-input-8-0b3c25876a9a> in <module>  
----> 1 product(3,7)  
  
NameError: name 'product' is not defined
```

In [9]: `from mymodule import*  
print(x)`

800

In [10]: `product(9,8)`

product= 72

## os module

In [12]: `import os  
os.getcwd()`

Out[12]: 'C:\\Users\\LJENG'

In [13]: `os.mkdir("D:\\mypkg")`

In [14]: `os.rmdir("D:\\mypkg")`

In [16]: `os.remove(r"D:\Python\abc.txt")`

In [17]: `print(os.listdir())`

```
['.conda', '.condarc', '.ipynb_checkpoints', '.ipython', '.jupyter', '.nuget', '.vscode', 'AppData', 'Application Data', 'Cookies', 'Desktop', 'Documents', 'Downloads', 'IntelGraphicsProfiles', 'Links', 'Local Settings', 'LskLock.tmp', 'mod1.py', 'Music', 'My Documents', 'mymodule.ipynb', 'mymodule.py', 'NetHood', 'NTUSER.DAT', 'ntuser.dat.LOG1', 'ntuser.dat.LOG2', 'NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.blf', 'NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000001.regtrans-ms', 'NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000002.regtrans-ms', 'ntuser.ini', 'Oracle', 'Pictures', 'PrintHood', 'Recent', 'Saved Games', 'SendTo', 'Start Menu', 'Templates', 'Untitled.ipynb', 'Untitled1.ipynb', 'Videos', '__pycache__']
```

In [18]: `os.chdir(r"D:\Python")`

In [19]: `os.getcwd()`

Out[19]: 'D:\\Python'

In [20]: `import sys`  
`sys.version`

Out[20]: '3.8.5 (default, Sep 3 2020, 21:29:08) [MSC v.1916 64 bit (AMD64)]'

In [21]: `sys.maxsize`

Out[21]: 9223372036854775807

```
In [22]: sys.path
```

```
Out[22]: ['C:\\\\Users\\LJENG',  
          'C:\\\\ProgramData\\Anaconda3\\python38.zip',  
          'C:\\\\ProgramData\\Anaconda3\\DLLs',  
          'C:\\\\ProgramData\\Anaconda3\\lib',  
          'C:\\\\ProgramData\\Anaconda3',  
          '',  
          'C:\\\\Users\\LJENG\\AppData\\Roaming\\Python\\Python38\\site-packages',  
          'C:\\\\ProgramData\\Anaconda3\\lib\\site-packages',  
          'C:\\\\ProgramData\\Anaconda3\\lib\\site-packages\\win32',  
          'C:\\\\ProgramData\\Anaconda3\\lib\\site-packages\\win32\\lib',  
          'C:\\\\ProgramData\\Anaconda3\\lib\\site-packages\\Pythonwin',  
          'C:\\\\ProgramData\\Anaconda3\\lib\\site-packages\\IPython\\extensions',  
          'C:\\\\Users\\LJENG\\.ipython']
```

```
In [26]: import datetime  
print(datetime.datetime.now())
```

```
2025-11-28 21:24:59.475894
```

```
In [28]: datetime.date.today()
```

```
Out[28]: datetime.date(2025, 11, 28)
```

```
In [30]: print(datetime.time(12,10,45))
```

```
12:10:45
```

```
In [31]: print(datetime.date(2025,10,5))
```

```
2025-10-05
```

```
In [33]: x=datetime.date(2025,10,5)  
print(x.year)
```

```
2025
```

```
In [34]: import os  
os.mkdir("pkg")
```

```
In [35]: os.chdir("D:\Python\pkg")
```

```
In [36]: %%writefile m1.py  
def foo():  
    print("this is m1")
```

Writing m1.py

```
In [37]: %%writefile m2.py  
def bar():  
    print("this is m2")
```

Writing m2.py

```
In [39]: os.chdir("D:\Python")
```

```
In [40]: from pkg import m1,m2
```

```
In [41]: m1.foo()
```

this is m1

```
In [42]: m2.bar()
```

this is m2

```
In [ ]:
```

