

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.rmtree("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}.TMContainer00000000000000000001.regtrans-ms', 'NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer00000000000000000002.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 [ ]:
```

