

OS path

- Os.path is the sub module of the main module I.e, os module
- Functions available in os.path are

```
os.path.exists()  
os.path.isfile()  
os.path.isdir()  
  
os.path.split()  
os.path.join()  
  
os.path.basename()  
os.path.dirname()  
  
os.path.getmtime()  
os.path.getatime()  
  
os.path.relpath()  
os.path.abspath()
```

Os.path.exists - check if path exist or not

os.path.isfile - check if path belongs to file

os.path.isdir - given path is file or dir



```
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" fo
>>> import os
>>>
>>> os.path.exists('C:\\MyPython\\Child1\\cpp.png')
True
>>> os.path.exists('C:\\MyPython\\Child5\\cpp.png')
False
>>>
>>> os.path.isfile('C:\\MyPython\\Child1\\cpp.png')
True
>>>
>>> os.path.isdir('C:\\MyPython\\Child1\\cpp.png')
False
>>> os.path.isdir('C:\\MyPython\\Child1')
True
>>>
>>> os.path.split('C:\\MyPython\\Child1\\cpp.png')
('C:\\MyPython\\Child1', 'cpp.png')
>>> os.path.join('C:\\MyPython\\Child1', 'cpp.png')
'C:\\MyPython\\Child1\\cpp.png'
>>>
>>> os.path.basename('C:\\MyPython\\Child1\\cpp.png')
'cpp.png'
>>> os.path.dirname('C:\\MyPython\\Child1\\cpp.png')
'C:\\MyPython\\Child1'
>>>
```

os.path.split() - split address and file name

os.path.join() - join path and file name together to give single path

os.path.getmtime() - last access time

os.path.getatime() - last modified time

```
>>> import os
>>> os.path.getmtime('C:\\MyPython\\Compress.py')
1648387173.5853446
>>> import time
>>> time.ctime(os.path.getmtime('C:\\MyPython\\Compress.py'))
'Sun Mar 27 18:49:33 2022'
>>> time.ctime(os.path.getatime('C:\\MyPython\\Compress.py'))
'Thu Apr 14 12:14:02 2022'
>>> time.ctime(os.path.getctime('C:\\MyPython\\Compress.py'))
'Sun Mar 27 18:46:43 2022'
>>>
```

os.path.replace() - access something from another folder

os.path.abspath() - access something in absolute way

```
>>> import os
>>>
>>> os.chdir('C:\\MyPython\\Child1')
>>> os.getcwd()
'C:\\MyPython\\Child1'
>>>
>>> os.path.relpath('C:\\MyPython\\Child2\\csharp.png')
'..\\Child2\\csharp.png'
>>>
>>> os.path.abspath('..\\Child2\\csharp.png')
'C:\\MyPython\\Child2\\csharp.png'
>>> |
```