

```
In [1]: import os
print(dir(os))

['DirEntry', 'F_OK', 'GenericAlias', 'Mapping', 'MutableMapping', 'O_APPEND', 'O_BINARY', 'O_CREAT', 'O_EXCL', 'O_NOINHERIT',
'O_RANDOM', 'O_RDONLY', 'O_RDWR', 'O_SEQUENTIAL', 'O_SHORT_LIVED', 'O_TEMPORARY', 'O_TEXT', 'O_TRUNC', 'O_WRONLY', 'P_DETACH',
'P_NOWAIT', 'P_NOWAITO', 'P_OVERLAY', 'P_WAIT', 'PathLike', 'R_OK', 'SEEK_CUR', 'SEEK_END', 'SEEK_SET', 'TMP_MAX', 'W_OK', 'X_O
K', 'AddeDllDirectory', 'Environ', '__all__', '__builtins__', '__cached__', '__doc__', '__file__', '__loader__', '__name__',
'__package__', '__spec__', '__check_methods__', 'execvpe', 'exists', 'exit', 'fspath', 'get_exports_list', 'walk', 'wrap_cl
ose', 'abc', 'abort', 'access', 'add_dll_directory', 'altsep', 'chdir', 'chmod', 'close', 'closerange', 'cpu_count', 'curdir',
'defpath', 'device_encoding', 'devnull', 'dup', 'dup2', 'environ', 'error', 'execl', 'execl', 'execlp', 'execlpe', 'execv', 'e
xecvpe', 'execvp', 'execvpe', 'extsep', 'fdopen', 'fsdecode', 'fsencode', 'fspath', 'fstat', 'fsync', 'ftruncate', 'get_exec_pat
h', 'get_handle_inheritable', 'get_inheritable', 'get_terminal_size', 'getcwd', 'getcwdb', 'getenv', 'getlogin', 'getpid', 'get
ppid', 'isatty', 'kill', 'linesep', 'link', 'listdir', 'lseek', 'lstat', 'makedirs', 'mkdir', 'name', 'open', 'pardir', 'path',
'pathsep', 'pipe', 'popen', 'putenv', 'read', 'readlink', 'remove', 'removedirs', 'rename', 'renames', 'replace', 'rmdir', 'sca
ndir', 'sep', 'set_handle_inheritable', 'set_inheritable', 'spawnl', 'spawnle', 'spawnv', 'spawnve', 'st', 'startfile', 'stat',
'stat_result', 'statvfs_result', 'strerror', 'supports_bytes_environ', 'supports_dir_fd', 'supports_effective_ids', 'supports_f
d', 'supports_follow_symlinks', 'symlink', 'sys', 'system', 'terminal_size', 'times', 'times_result', 'truncate', 'umask', 'una
me_result', 'unlink', 'unsetenv', 'unrandom', 'utime', 'waitpid', 'waitstatus_to_exitcode', 'walk', 'write']
```

```
In [2]: import os
os.listdir('D:\\PLSQL\\demo\\sample2.txt')

-----
NotADirectoryError                                Traceback (most recent call last)
C:\\Users\\PRATIK~1\\AppData\\Local\\Temp\\ipykernel_15852\\3746198332.py in <module>
      1 import os
----> 2 os.listdir('D:\\PLSQL\\demo\\sample2.txt')
```

NotADirectoryError: [WinError 267] The directory name is invalid: 'D:\\PLSQL\\demo\\sample2.txt'

```
In [3]: import os
os.listdir('D:\\PLSQL\\demo\\sample2')
```

FileNotFoundError Traceback (most recent call last)

C:\\Users\\PRATIK~1\\AppData\\Local\\Temp\\ipykernel_15852\\2647022108.py in <module>

```
      1 import os
----> 2 os.listdir('D:\\PLSQL\\demo\\sample2')
```

FileNotFoundError: [WinError 3] The system cannot find the path specified: 'D:\\PLSQL\\demo\\sample2'

```
In [4]: import os
os.listdir('D:\\PLSQL\\demo')
```

Out[4]: ['control.ctl', 'control.log', 'sample.txt', 'sample2.bad', 'sample2.txt']

```
In [5]: f = open("D:\\PLSQL\\demo\\sample2.txt")
```

```
In [6]: f = open("D:\\PLSQL\\demo\\sample2.txt", 'r')
```

```
In [7]: f = open("D:\\PLSQL\\demo\\sample2.txt", 'r')
print(f.read)
```

<built-in method read of _io.TextIOWrapper object at 0x0000154F77056C0>

```
In [8]: f = open("D:\\PLSQL\\demo\\sample2.txt", 'r')
print(f.read())
```

```
name,age,address
Patrick,23,abc
Tobey,25,xyz
Margrett,21,efg
```

```
In [9]: f = open("D:\\PLSQL\\demo\\sample2.txt")
print(f.read())
```

```
name,age,address
Patrick,23,abc
Tobey,25,xyz
Margrett,21,efg
```

```
In [10]: import os
print(os.scandir())
```

<nt.ScandirIterator object at 0x0000154F69034E0>

```
In [11]: import os
data = os.listdir('D:\\PLSQL\\demo')
for i in data:
    print(i)
```

```
control.ctl
control.log
sample.txt
sample2.bad
```

```
sample2.bad  
sample2.txt
```

```
In [12]: import os  
data = os.listdir('D:\\PLSQL\\demo')  
for i in data:  
    print(i,end=" ")  
  
control.ctl control.log sample.txt sample2.bad sample2.txt
```

```
In [13]: import os  
os.listdir('D:\\PLSQL\\demo\\sample2.txt')  
  
-----  
NotADirectoryError                                Traceback (most recent call last)  
C:\\Users\\PRATIK~1\\AppData\\Local\\Temp\\ipykernel_15852\\2966704211.py in <module>  
      1 import os  
----> 2 os.listdir('D:\\PLSQL\\demo\\sample2.txt')  
  
NotADirectoryError: [WinError 267] The directory name is invalid: 'D:\\PLSQL\\demo\\sample2.txt'
```

```
In [14]: import os  
os.listdir('D:\\PLSQL\\demo')  
  
Out[14]: ['control.ctl', 'control.log', 'sample.txt', 'sample2.bad', 'sample2.txt']
```

```
In [15]: importos  
with os.scandir('demo/') as en:  
    for i in en:  
        print(i.name)  
  
-----  
NameError                                Traceback (most recent call last)  
C:\\Users\\PRATIK~1\\AppData\\Local\\Temp\\ipykernel_15852\\2979315609.py in <module>  
----> 1 importos  
      2 with os.scandir('demo/') as en:  
      3     for i in en:  
      4         print(i.name)  
  
NameError: name 'importos' is not defined
```

```
In [17]: import os  
with os.scandir('D:\\PLSQL\\demo') as en:  
    for i in en:  
        print(i.name)  
  
control.ctl  
control.log  
sample.txt  
sample2.bad  
sample2.txt
```

```
In [18]: import os  
with os.scandir('D:\\python') as en:  
    for i in en:  
        print(i.name)  
  
KPI Python algorithms.docx  
KPI Python files.docx  
KPI Python.docx  
Notes.docx  
pending code python.txt  
pending_topics  
python dictionary.pdf  
python function, try_exception.pdf  
python lambda, math.pdf  
python prac1.pdf  
python set.pdf  
python tuple.pdf  
Python.docx  
Python.pdf
```

```
In [20]: import os  
basepath = 'D:\\PLSQL'  
with os.scandir(basepath) as en:  
    for i in en:  
        if i.is_file():  
            print(i.name)  
  
ex.sql  
ex2.sql  
ex3.sql  
my_cursor_file, exception.txt  
PL SQL examples.docx  
practice_today.txt  
procedure and triggers.txt  
trigger and procedure, declare.txt
```

```
In [21]: import os  
basepath = 'D:\\PLSQL'  
with os.scandir(basepath) as en:  
    for i in en:  
        print(i.name)
```

demo

```
ex.sql
ex2.sql
ex3.sql
my_cursor_file, exception.txt
PL SQL examples.docx
practice_today.txt
procedure and triggers.txt
trigger and procedure, declare.txt
```

```
In [22]: import os
basepath = 'D:\\PLSQL'
for i in os.listdir(basepath):
    if os.path.isdir(os.path.join(basepath, i)):
        print(i)
```

demo

```
In [24]: from pathlib import Path
p = Path('D:\\PLSQL\\example_dir')
try:
    p.mkdir()
except FileExistsError as exc:
    print(exc)
```

```
In [27]: import os
for i in os.listdir('D:\\PLSQL'):
    if i.endswith('.txt'):
        print(i)

my_cursor_file, exception.txt
practice_today.txt
procedure and triggers.txt
trigger and procedure, declare.txt
```

```
In [28]: from tempfile import TemporaryFile
fp = TemporaryFile('w+t')
fp.write('Hello World!')
fp.seek(0)
data = fp.read()
fp.close()
```

```
In [35]: import os
datafile = 'D:\\PLSQL\\demo\\sample.txt'
os.remove(datafile)
```

```
-----
FileNotFoundError                                Traceback (most recent call last)
C:\Users\PRATIK~1\AppData\Local\Temp\ipykernel_15852\3915546268.py in <module>
      1 import os
      2 datafile = 'D:\\PLSQL\\demo\\sample.txt'
----> 3 os.remove(datafile)

FileNotFoundError: [WinError 2] The system cannot find the file specified: 'D:\\PLSQL\\demo\\sample.txt'
```

```
In [38]: import shutil, os
src = 'D:\\PLSQL\\demo\\sample2.txt'
des = 'D:\\PLSQL'
shutil.copy(src, des)
```

Out[38]: 'D:\\PLSQL\\sample2.txt'

In []: