Lab6

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Code

```
import os
files = [f for f in os.listdir('.') if os.path.isfile(f)]
print(files)
```

Output

```
C:\Users\HP>c:\Users\HP\Desktop\p1.py
['.emulator_console_auth_token', '.packettracer', 'battery-report.html', 'netdata.txt', 'nmaptest.txt', 'NTUSER.DAT', 'ntuser.dat.LOG1', 'ntuser.dat.LOG2', 'NTUSER.DAT{b13b8a7d-4909-11ea-b65d-eb8cdeb4c6d0}.TM.bl
f', 'NTUSER.DAT{b13b8a7d-4909-11ea-b65d-eb8cdeb4c6d0}.TMContainer00000000000000000001.regtrans-ms', 'NTUSER.DAT{b13b8a7d-4909-11ea-b65d-eb8cdeb4c6d0}.TMContainer00000000000000000002.regtrans-ms', 'ntuser.ini', '
schtasks', 'sqlnet.log', 'types.txt']

C:\Users\HP>
```

Code

```
import os
files = [f for f in os.listdir('.') if not os.path.isfile(f)]
print(files)
```

Output

```
C:\Users\HP>c:\Users\HP\Desktop\p2.py
['()', '.android', '.eclipse', '.gradle', '.jssc', '.nbi', '.p2', '.tooling', '.VirtualBox', '.zenmap', '3D Objects', 'AndroidStudioProjects', 'AppData', 'Application Data', 'Cisco Packet Tracer 7.3.0', 'Contact
s', 'Cookies', 'Desktop', 'Documents', 'Downloads', 'eclipse', 'eclipse-workspace', 'Favorites', 'IntelGraphicsProfiles', 'Links', 'Local Settings', 'MicrosoftEdgeBackups', 'Music', 'My Documents', 'NetHood', 'O
neDrive', 'Pictures', 'PrintHood', 'Recent', 'root1', 'Saved Games', 'Searches', 'SendTo', 'Start Menu', 'Templates', 'Videos', 'VirtualBox VMs', 'workspace']

C:\Users\HP>
```

Code

```
import os
top = os.getcwd()
files = [f for f in os.walk(top, topdown=True)]
print(files)
```

Code

```
import os
import sys
a = open("output3.txt", "w")
top="C:/"
for path, subdirs, files in os.walk(top):
for filename in files:
f = os.path.join(path, filename)
a.write(str(f) + os.linesep)
```

Code

```
import os
current_directory = os.getcwd()
for i in range(4):
final_directory = os.path.join(current_directory, f'new_folder{i}')
if not os.path.exists(final_directory):
os.makedirs(final_directory)
```