



SECURE CODING LAB

SLOT: L23+L24

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Write a python script to get all the file names in the current directory

```
import os
for path, subdirs, files in os.walk('.\\Users\\user\\Desktop\\Test_Py'):
    for filename in files:
        f = os.path.join(path, filename)
        a = open("output.txt", "w")
        a.write(str(f))
```

Write a python script to get all the directory names in the current directory

1. `#!/usr/bin/env python.`
2. `from __future__ import print_function.`
3. `import os.`
4. `path = '.'`
5. `files = os.listdir(path)`
6. `for name in files:`
7. `print(name)`

Write a python script to get all the directory and subdirectory names in the current directory

```
import os

rootdir = 'path/to/dir'

for file in os.listdir(rootdir):

    d = os.path.join(rootdir, file)

    if os.path.isdir(d):

        print(d)
```

Write a python script to get all the filename directory and subdirectory in the current directory

```
def getListOfFiles(dirName):

    listOfFile = os.listdir(dirName)

    allFiles = list()

    for entry in listOfFile:

        fullPath = os.path.join(dirName, entry)

        if os.path.isdir(fullPath):
```

```
allFiles = allFiles + getListOfFiles(fullPath)
```

```
else:
```

```
allFiles.append(fullPath)
```

```
return allFiles
```

Write a python script to creates four new files in the current directory using powershell

The easiest way to create a directory is to use the native Windows PowerShell command. We can use the same command used in file creation for folder creation too, and as you may have guessed, just change the value of ItemType

```
New-Item -Path '\\Shared\TestFolder' - ItemType Directory
```