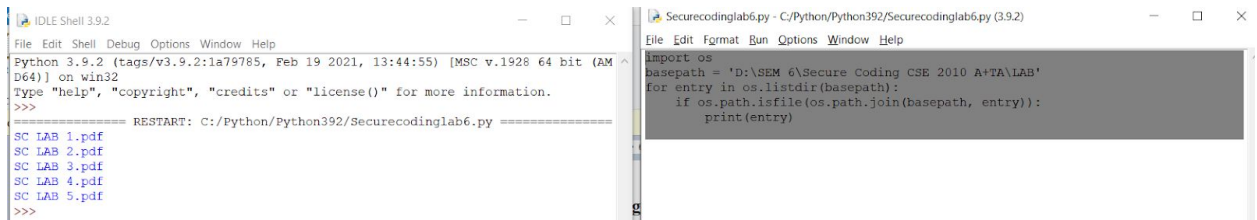SECURE CODING LAB 6

TOPIC : Python Script Commands and Windows PowerShell

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

Code:

```
import os
basepath = 'D:\SEM 6\Secure Coding CSE 2010 A+TA\LAB'
for entry in os.listdir(basepath):
    if os.path.isfile(os.path.join(basepath, entry)):
        print(entry)
```
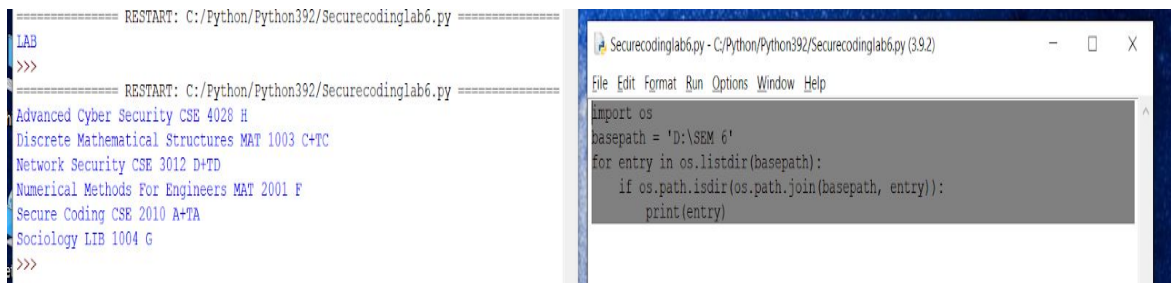

2. Write a python script to get all the directory names in the current directory

Code:

```
import os
basepath = 'D:\SEM 6'
for entry in os.listdir(basepath):
    if os.path.isdir(os.path.join(basepath, entry)):
        print(entry)
```


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

Code:

```
import os
```

```
for dirpath, dirnames, files in os.walk('D:\SEM 6'):
    print(f'Found directory: {dirpath}')
```


4. Write a python script to get all the file name, directory and all the subdirectory names (recursively) in the current directory

Code:
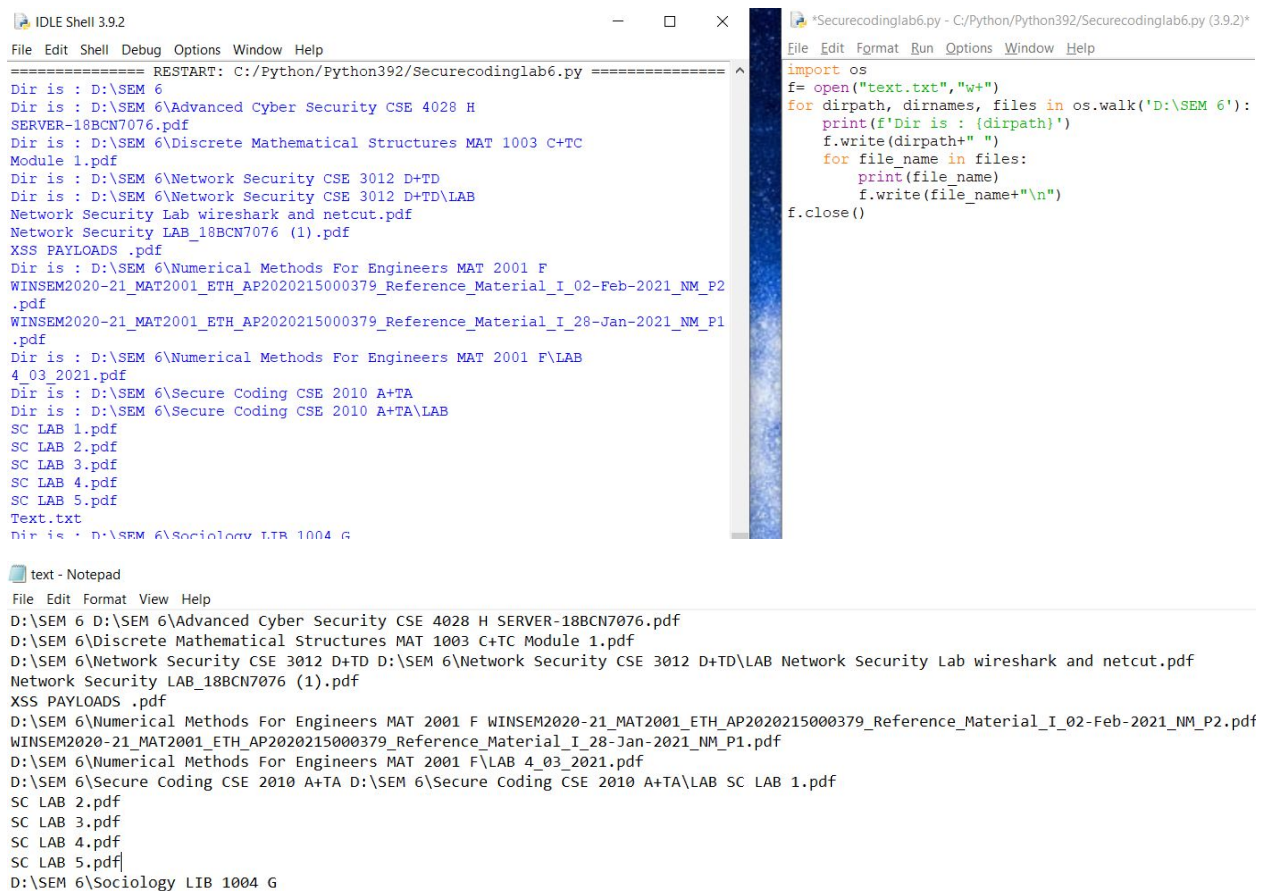
```
import os
for dirpath, dirnames, files in os.walk('D:\SEM 6'):
    print(f'Found directory: {dirpath}')
    for file_name in files:
        print(file_name)
```


5. Write a python script to get all the file name, directory and all the subdirectory names (recursively) in the current drive and write it to a text file.

Code:

```python
import os
f= open("text.txt","w+")
for dirpath, dirnames, files in os.walk('D:\SEM 6'):
    print(f'Dir is : {dirpath}')
    f.write(dirpath+" ")
    for file_name in files:
        print(file_name)
        f.write(file_name+"\n")
f.close()
```

6. Write a python script which creates four new files in the current directory using Powershell.


```
Windows PowerShell

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\user> cd D:\SEM6
PS D:\SEM6> python
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import os
>>> path=os.getcwd()
>>> for x in range(1,5):
...     with open(path+"\{}.txt".format(x),'w') as f:
...             f.write("\n Create files using windows power shell")
...
40
40
40
40
>>>
```