

Secure Coding Lab-6

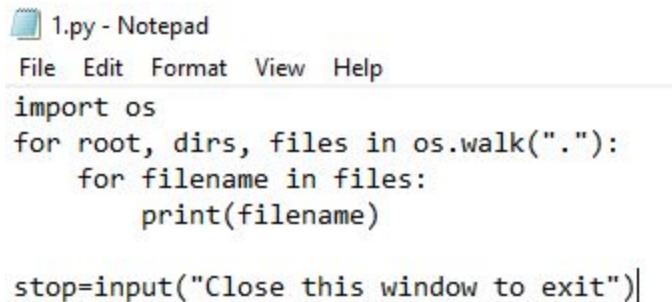
Deva Dattu Javvadi

18BCN7081

L39+L40

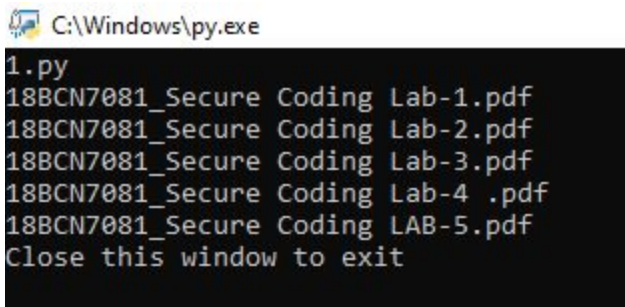
Assignment

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

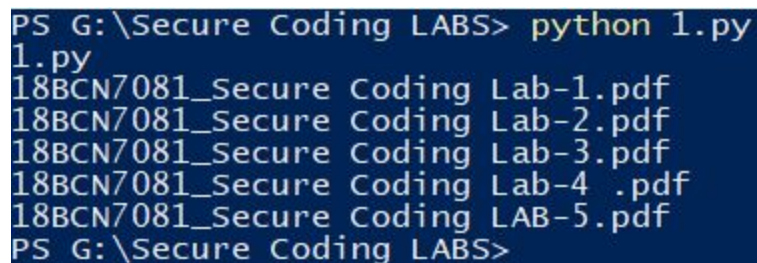


```
1.py - Notepad
File Edit Format View Help
import os
for root, dirs, files in os.walk("."):
    for filename in files:
        print(filename)

stop=input("Close this window to exit")
```



```
C:\Windows\py.exe
1.py
18BCN7081_Secure Coding Lab-1.pdf
18BCN7081_Secure Coding Lab-2.pdf
18BCN7081_Secure Coding Lab-3.pdf
18BCN7081_Secure Coding Lab-4 .pdf
18BCN7081_Secure Coding LAB-5.pdf
Close this window to exit
```



```
PS G:\Secure Coding LABS> python 1.py
1.py
18BCN7081_Secure Coding Lab-1.pdf
18BCN7081_Secure Coding Lab-2.pdf
18BCN7081_Secure Coding Lab-3.pdf
18BCN7081_Secure Coding Lab-4 .pdf
18BCN7081_Secure Coding LAB-5.pdf
PS G:\Secure Coding LABS>
```

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

2.py - Notepad

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```
import os
directory_contents = os.listdir(".")
for item in directory_contents:
    if os.path.isdir(item):
        print(item)
```

```
stop=input("Press Enter to exit 18BCN7081")
```

C:\Windows\py.exe

```
$RECYCLE.BIN
18BCN7081
ACS Labs
ACS thoery ASGNs
AI LABS
Cloud
CSE2010
DCIM
eclipse-workspace
FALL SEM 3-1
LAW Asgns
Personal finance
Secure Coding LABS
System Volume Information
Web Lab
Press Enter to exit 18BCN7081
```

Windows PowerShell

```
PS G:\> python 2.py
$RECYCLE.BIN
18BCN7081
ACS Labs
ACS thoery ASGNs
AI LABS
Cloud
CSE2010
DCIM
eclipse-workspace
FALL SEM 3-1
LAW Asgns
Personal finance
Secure Coding LABS
System Volume Information
Web Lab
Press Enter to exit 18BCN7081
```

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

3.py - Notepad

File Edit Format View Help

```
import os
for root, dirs, files in os.walk("."):
    for name in dirs:
        print (os.path.join(root, name))

stop=input("Press Enter to exit 18BCN7081")
```

```
PS G:\> python 3.py
.\$RECYCLE.BIN
.\18BCN7081
.\ACS Labs
.\ACS thoery ASGNS
.\AI LABS
.\Cloud
.\CSE2010
.\DCIM
.\eclipse-workspace
.\FALL SEM 3-1
.\LAW Asgns
.\Personal finance
.\Secure Coding LABS
.\System Volume Information
.\Web Lab
.\$RECYCLE.BIN\S-1-5-21-1300
.\Cloud\Module-2
.\CSE2010\CAT-1
.\CSE2010\CAT-2
.\CSE2010\CAT-3
```

C:\Windows\py.exe

```
.\$RECYCLE.BIN
.\18BCN7081
.\ACS Labs
.\ACS thoery ASGNS
.\AI LABS
.\Cloud
.\CSE2010
.\DCIM
.\eclipse-workspace
.\FALL SEM 3-1
.\LAW Asgns
.\Personal finance
.\Secure Coding LABS
.\System Volume Informat
.\Web Lab
.\$RECYCLE.BIN\S-1-5-21-
.\Cloud\Module-2
.\CSE2010\CAT-1
.\CSE2010\CAT-2
.\CSE2010\CAT-3
```

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

4.py - Notepad

File Edit Format View Help

```
import os
```

```
for root, dirs, files in os.walk("."):
    print(dirs, files)
```

```
stop=input("Press Enter to exit 18BCN7081")
```

```
P5 G:\> python 4.py
['$RECYCLE.BIN', '18BCN7081', 'ACS Labs', 'ACS thoery ASGNS', 'AI LABS', 'Cloud', 'CSE2010', 'DCIM', 'e',
l', 'Law Asgns', 'Personal finance', 'Secure Coding LABS', 'System Volume Information', 'Web Lab'] ['2.py',
['S-1-5-21-1300037038-1071634302-2973130281-1001']] []
[] ['desktop.ini']
[] ['ClientProgram.class', 'ClientProgram.java', 'DateClient.class', 'DateClient.java', 'DateServer.clas
side.class', 'ServerSide.java', 'UDPCClient.class', 'UDPCClient.java', 'UDPServer.class', 'UDPServer.java']
[] ['Adv Cyb-1.docx', 'DJ_ACSlab-2.pdf']
[] ['18BCN7081_CSE4028_ASSIGNMENT.pdf', '18BCN7112-ASSIGNMENT - 3.pdf']
[] ['18BCN7081_AI LAB-4.pdf', '18BCN7081_AI_Lab1.pdf', '18BCN7081_AI_lAB3.pdf', 'AI Lab-2.pdf']
['Module-2'] ['Module-2.zip']
[] ['01-Cloud Enabling Tech.pdf', '02-DATA CENTER TECHNOLOGIES.pdf', '03-Virtualization Technology.pdf',
F', '06-Web Technology.pdf', 'Concepts.ppt', 'Datacenter Tech-Ref.pptx', 'VIRTUALIZATION by joshi.pptx',
outing-ppt.ppt']
```

```
['$RECYCLE.BIN', '18BCN7081', 'ACS Labs', 'ACS thoery ASGNS', 'AI LABS', 'Cloud', 'CSE2010', 'DCI
', 'Secure Coding LABS', 'System Volume Information', 'Web Lab'] ['2.py', '3.py', '4.py']
['S-1-5-21-1300037038-1071634302-2973130281-1001']] []
[] ['desktop.ini']
[] ['ClientProgram.class', 'ClientProgram.java', 'DateClient.class', 'DateClient.java', 'DateServ
DPClient.class', 'UDPCClient.java', 'UDPServer.class', 'UDPServer.java']
[] ['Adv Cyb-1.docx', 'DJ_ACSlab-2.pdf']
[] ['18BCN7081_CSE4028_ASSIGNMENT.pdf', '18BCN7112-ASSIGNMENT - 3.pdf']
[] ['18BCN7081_AI LAB-4.pdf', '18BCN7081_AI_Lab1.pdf', '18BCN7081_AI_lAB3.pdf', 'AI Lab-2.pdf']
['Module-2'] ['Module-2.zip']
[] ['01-Cloud Enabling Tech.pdf', '02-DATA CENTER TECHNOLOGIES.pdf', '03-Virtualization Technolog
epts.ppt', 'Datacenter Tech-Ref.pptx', 'VIRTUALIZATION by joshi.pptx', 'Virtualization-and-Cloud-
['CAT-1', 'CAT-2', 'CAT-3']] []
[] ['CSE2010_Winter18-19_CAT-1_1.pdf', 'CSE2010_Winter18-19_CAT-1_2.pdf', 'CSE2010_Winter18-19_CA
[] ['CSE2010_Winter 2018-19 CAT-2 1.pdf', 'CSE2010_Winter 2018-19 CAT-2 2.pdf', 'CSE2010_Winter 2
```


- 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.

5.py - Notepad

File Edit Format View Help

```
import os
```

```
f_output=open("05.txt", "a")
for root, dirs, files in os.walk("."):
    for dirs in dirs:
        f_output.write('\n' + dirs)
    f_output.write('\n\n')
    for files in files:
        f_output.write('\n' + files )
```

```
stop=input("Press Enter to exit 18BCN7081")
```

Windows PowerShell

```
PS G:\> python 5.py
Press Enter to exit 18BCN7081
PS G:\>
```

05.txt - Notepad

File Edit Format View Help

```
$RECYCLE.BIN
18BCN7081
ACS Labs
ACS thoery ASGNs
AI LABS
Cloud
CSE2010
DCIM
eclipse-workspace
FALL SEM 3-1
LAW Asgns
Personal finance|
Secure Coding LABS
System Volume Information
Web Lab
```

```
2.py
3.py
4.py
5.py
05.txt
5-1-5-21-1300037038-1071634
```

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

```
import subprocess
process = subprocess.Popen(["powershell", "New-Item", "18BCN7081_0.txt", "18BCN7081_1.txt", "18BCN7081_2.txt", "18BCN7081_3.txt"], stdout=subprocess.PIPE)
result=process.communicate()[0]
print(result)

stop=input("Press Enter to exit 18BCN7081")
```

```
C:\Windows\py.exe
Directory: G:\Secure Coding LABS
Mode                LastWriteTime         Length Name
----
18BCN7081_0.txt      06-03-2021    18:11             0 18BCN7081_0.txt
18BCN7081_1.txt      06-03-2021    18:11             0 18BCN7081_1.txt
18BCN7081_2.txt      06-03-2021    18:11             0 18BCN7081_2.txt
18BCN7081_3.txt      06-03-2021    18:11             0 18BCN7081_3.txt
Press Enter to exit 18BCN7081
```

18BCN7081_0.txt	06-03-2021 18:11	Text Document	0 KB
18BCN7081_1.txt	06-03-2021 18:11	Text Document	0 KB
18BCN7081_2.txt	06-03-2021 18:11	Text Document	0 KB
18BCN7081_3.txt	06-03-2021 18:11	Text Document	0 KB

Submitted By
Deva Dattu Javvadi
18BCN7081