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Reg.No : 18BCN7089

LAB - 6

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

```
1.py - C:\Users\ratna\Downloads\1.py (3.8.5)                           —    □    ×
File  Edit  Format  Run  Options  Window  Help
import os
for root, dirs, files in os.walk("."):
        for filename in files:
                print(filename)

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

```
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:57:54) [MSC v.1924 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: C:\Users\ratna\Downloads\1.py ====================
1.py
7YF0H520.pdf
desktop.ini
Resume.pdf
CYBER SECURITY SAMPLE QP.docx
Cyber Xerox material.pdf
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_III_01-Oct-2020_MODULE-6_PART-_3_INFORMATION_SECURITY_AUDITOR.pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_II_01-Oct-2020_MODULE-6_PART-2_SECURITY_AUDIT.pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_II_03-Oct-2020_MODULE-7_PART-_1_SECURITY_AUDIT_PREPARATION.pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_II_25-Aug-2020_MODULE-2_PART-_3_SYSTEM_SECURITY.pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_II_27-Aug-2020_MODULE-2_PART-_5_APPLICATION_SECURITY.pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_I_01-Oct-2020_MODULE-6_PART-1_SECURITY_AUDIT.pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_I_01-Sep-2020_MODULE-3_PART-1_INFORMATION_SECURITY_MGMT..pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_I_03-Oct-2020_MODULE-6_PART-_4_PENETRATION_TESTING.pptx
FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_I_03-Sep-2020_MODULE-3_PART-2_POLICIES  STANDARDS  GUIDELINES    PROCEDURES - Copy.pptx
```

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

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

stop=input("Press Enter to exit 18BCN7089")
```
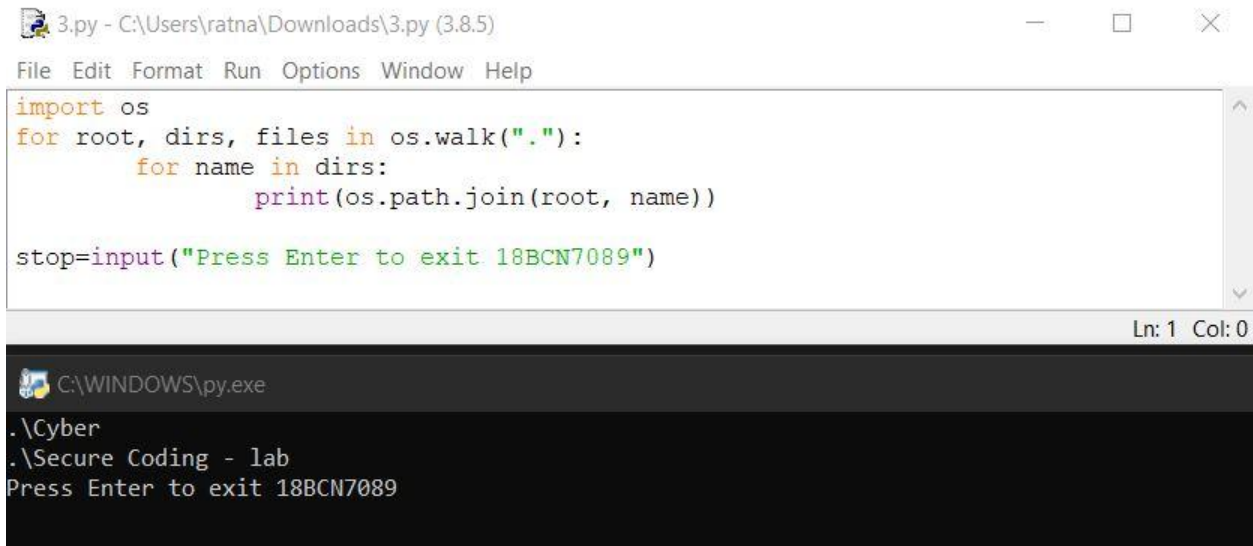
Ln: 1 Col: 1

```
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:57:54) [MSC v.1924 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: C:\Users\ratna\Downloads\2.py ====================
Cyber
Secure Coding - lab
Press Enter to exit 18BCN7089
```

Ln: 5 Col: 0

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

```
3.py - C:\Users\ratna\Downloads\3.py (3.8.5)                          —   □   ✕

File  Edit  Format  Run  Options  Window  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 18BCN7089")
                                                            Ln: 1  Col: 0
```
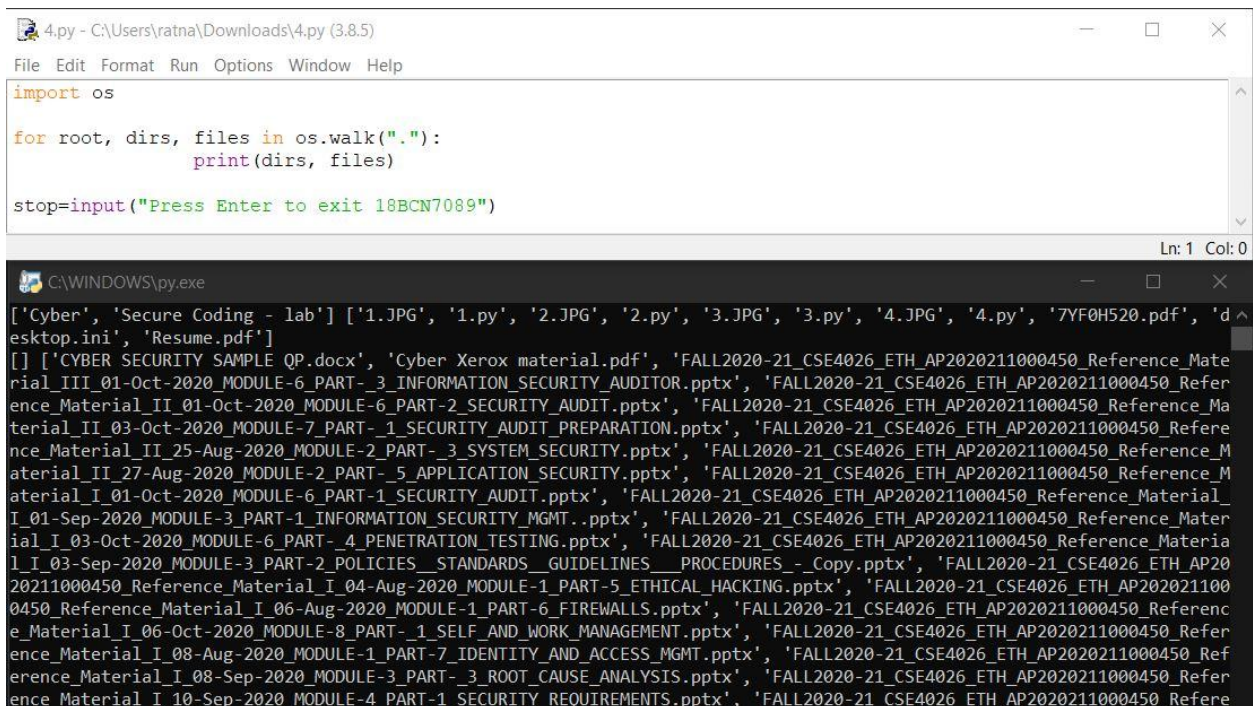
```
C:\WINDOWS\py.exe
.\Cyber
.\Secure Coding - lab
Press Enter to exit 18BCN7089
```

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

```
4.py - C:\Users\ratna\Downloads\4.py (3.8.5)                          —   □   ✕

File  Edit  Format  Run  Options  Window  Help

import os

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

stop=input("Press Enter to exit 18BCN7089")
                                                            Ln: 1  Col: 0
```
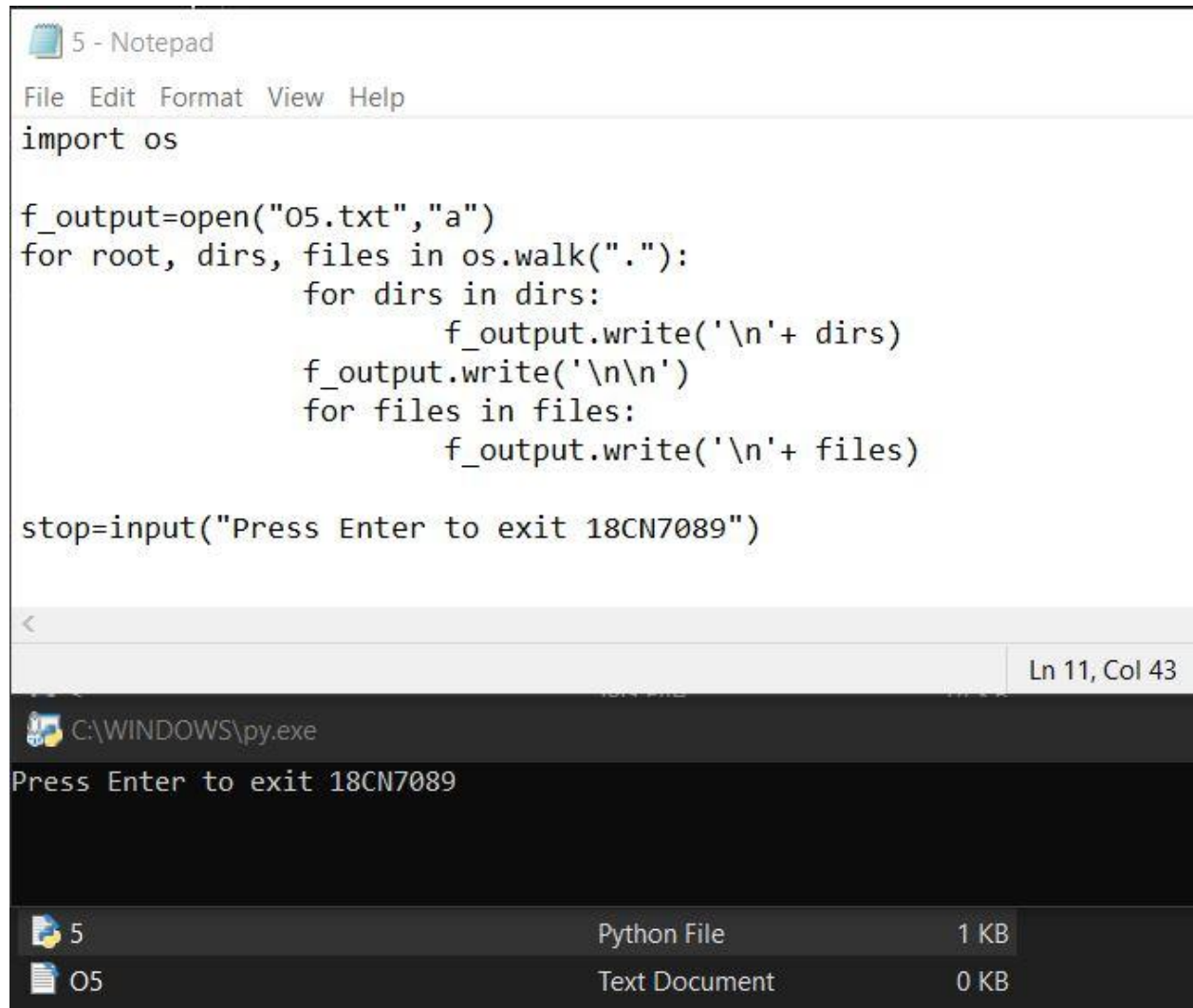
```
C:\WINDOWS\py.exe
['Cyber', 'Secure Coding - lab'] ['1.JPG', '1.py', '2.JPG', '2.py', '3.JPG', '3.py', '4.JPG', '4.py', '7YF0H520.pdf', 'd
esktop.ini', 'Resume.pdf']
[] ['CYBER SECURITY SAMPLE QP.docx', 'Cyber Xerox material.pdf', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Mate
rial_III_01-Oct-2020_MODULE-6_PART-_3_INFORMATION_SECURITY_AUDITOR.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Refer
ence_Material_II_01-Oct-2020_MODULE-6_PART-2_SECURITY_AUDIT.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Ma
terial_II_03-Oct-2020_MODULE-7_PART-_1_SECURITY_AUDIT_PREPARATION.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Refere
nce_Material_II_25-Aug-2020_MODULE-2_PART-_3_SYSTEM_SECURITY.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_M
aterial_II_27-Aug-2020_MODULE-2_PART-_5_APPLICATION_SECURITY.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_M
aterial_I_01-Oct-2020_MODULE-6_PART-1_SECURITY_AUDIT.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Material_
I_01-Sep-2020_MODULE-3_PART-1_INFORMATION_SECURITY_MGMT..pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Mater
ial_I_03-Oct-2020_MODULE-6_PART-_4_PENETRATION_TESTING.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Reference_Materia
l_I_03-Sep-2020_MODULE-3_PART-2_POLICIES__STANDARDS__GUIDELINES___PROCEDURES_-_Copy.pptx', 'FALL2020-21_CSE4026_ETH_AP20
20211000450_Reference_Material_I_04-Aug-2020_MODULE-1_PART-5_ETHICAL_HACKING.pptx', 'FALL2020-21_CSE4026_ETH_AP202021100
0450_Reference_Material_I_06-Aug-2020_MODULE-1_PART-6_FIREWALLS.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Referenc
e_Material_I_06-Oct-2020_MODULE-8_PART-_1_SELF_AND_WORK_MANAGEMENT.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Refer
ence_Material_I_08-Aug-2020_MODULE-1_PART-7_IDENTITY_AND_ACCESS_MGMT.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Ref
erence_Material_I_08-Sep-2020_MODULE-3_PART-_3_ROOT_CAUSE_ANALYSIS.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Refer
ence_Material_I_10-Sep-2020_MODULE-4_PART-1_SECURITY_REQUIREMENTS.pptx', 'FALL2020-21_CSE4026_ETH_AP2020211000450_Refere
```

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

5 - Notepad

File Edit Format View Help

```
import os

f_output=open("O5.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 18CN7089")
```

Ln 11, Col 43

C:\WINDOWS\py.exe

Press Enter to exit 18CN7089

5	Python File	1 KB
O5	Text Document	0 KB

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

```
import subprocess
process=subprocess.Popen(["powershell","New-Item 18BCN7089_0.txt,18BCN7089_1.txt,18BCN7089_2.txt,18BCN7089_3.txt"],stdout=subprocess.PIPE)
result=process.communicate()[0]
print(result)

stop=input("Press Enter to exit 18BCN7089")
```

```
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:57:54) [MSC v.1924 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==================== RESTART: C:\Users\ratna\Downloads\6.py ====================
b''
Press Enter to exit 18BCN7089
==================== RESTART: C:\Users\ratna\Downloads\6.py ====================
b'\r\n\r\n    Directory: C:\\Users\\ratna\\Downloads\r\n\r\n\r\nMode          LastWriteTime      Length Name                        \r\n-
---           -------------      ------ ----                                    \r\n-a----      18-05-2021    01:04        0 18BCN7089_0.txt
                                   \r\n-a----      18-05-2021    01:04        0 18BCN7089_1.txt                       \r\n-a----
   18-05-2021    01:04        0 18BCN7089_2.txt                       \r\n-a----      18-05-2021    01:04        0 18BCN7089_3.txt
                         \r\n\r\n\r\n'
Press Enter to exit 18BCN7089
```

📄 18BCN7089_0	Text Document	0 KB
📄 18BCN7089_1	Text Document	0 KB
📄 18BCN7089_2	Text Document	0 KB
📄 18BCN7089_3	Text Document	0 KB