SECURE CODING

LAB – 6

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18bcn7012

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

files.py - E:\College\SEM - 6\LABS\SECURE-CODING\files.py (3.9.2)

File Edit Format Run Options Window Help

```
import os

# List all files in a directory using scandir()
basepath = 'E:/College/SEM - 6/LABS/SECURE-CODING'
with os.scandir(basepath) as entries:
    for entry in entries:
        if entry.is_file():
            print(entry.name)
```

```
====================================
18BCN7081_Secure Coding LAB-5.pdf
18BCN7112 - LAB - 4.pdf
18BCN7112 - LAB - 5.pdf
files.py
LAB - 1.docx
LAB - 2.docx
LAB - 3.docx
LAB - 4.docx
LAB - 5.docx
Secure Coding -Lab4-18bce7271.pdf
Secure Coding Lab-3.pdf
~$AB - 4.docx
```

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

files.py - E:\College\SEM - 6\LABS\SECURE-CODING\files.py (3.9.2)

File Edit Format Run Options Window Help

```
import os

# List all subdirectories using os.listdir
basepath = 'E:/College/SEM - 6/LABS/SECURE-CODING'
for entry in os.listdir(basepath):
    if os.path.isdir(os.path.join(basepath, entry)):
        print(entry)
```

```
--------------
materials
Test
>>>
```

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

files.py - E:\College\SEM - 6\LABS\SECURE-CODING\files.py (3.9.2)

File Edit Format Run Options Window Help

```
import os
path = "E:/College/SEM - 6/LABS/SECURE-CODING"

for root,d_names,f_names in os.walk(path):
        print ( d_names)
```

```
============================
['materials', 'Test']
['child1']
['child2']
[]
[]
```

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

files.py - E:\College\SEM - 6\LABS\SECURE-CODING\files.py (3.9.2)

File Edit Format Run Options Window Help

```
import os
path = "E:/College/SEM - 6/LABS/SECURE-CODING"

for root,d_names,f_names in os.walk(path):
        print ( d_names,f_names)
```

```
6\LABS\SECURE-CODING\files.py ==========================================================
==
['materials', 'Test'] ['18BCN7081_Secure Coding LAB-5.pdf', '18BCN7112 - LAB - 4.pdf', '18BCN
7112 - LAB - 5.pdf', 'files.py', 'LAB - 1.docx', 'LAB - 2.docx', 'LAB - 3.docx', 'LAB - 4.doc
x', 'LAB - 5.docx', 'Secure Coding -Lab4-18bce7271.pdf', 'Secure Coding Lab-3.pdf', '~$AB - 4
.docx']
['child1'] ['Lab 3_30.02.2021.pptx']
['child2'] []
[] []
[] []
>>>
```

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.

Create a text file named output.txt in the below directory or your own directory.

files.py - E:\College\SEM - 6\LABS\SECURE-CODING\files.py (3.9.2)

File Edit Format Run Options Window Help

```
import os
path = "E:/College/SEM - 6/LABS/SECURE-CODING"
file1 = open("E:/College/SEM - 6/LABS/SECURE-CODING/output.txt", "a")
for root,d_names,f_names in os.walk(path):
    print ( d_names,f_names)
    for  dir in d_names:
            file1.write('\n' + dir)
    file1.write('\n\n')
    for files in f_names:
        file1.write('\n' + files)

file1.close()
```

output.txt - Notepad

File Edit Format View Help

```
materials
Test


18bcn7012_secure coding lab-5.pdf
18bcn7012 - lab - 4.pdf
18bcn7012 - lab - 5.pdf
files.py
lab - 1.docx
lab - 2.docx
lab - 3.docx
lab - 4.docx
lab - 5.docx
output.txt
secure coding - lab4-18bcn7012.pdf
secure coding lab-3.pdf
~$AB -4.docx


Lab 3_30.03.2021.pptx
```

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

files.py - E:\College\SEM - 6\LABS\SECURE-CODING\files.py (3.9.2)

File Edit Format Run Options Window Help

```
import subprocess;
process=subprocess.Popen(["powershell","md F:/Jay"],stdout=subprocess.PIPE);
result=process.communicate()[0]
print (result)
```

```
b'\r\n\r\n    Directory: F:\\\r\n\r\n\r\nMode                 LastWriteTime         Length Name
                                  \r\n----                 -------------         ------ ----
                                       \r\nd-----        06-03-2021  02:52 PM                Jay
                                             \r\n\r\n\r\n'
>>>
```