Secure Coding

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Lab-6

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

Ans:

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

Output:

```
======= RESTART: C:\Users\NOMESH\Desktop\Win sem 2021\secure coding\s1.py
18BCN7105[Lab-1].pdf
18BCN7105[Lab-2].pdf
18BCN7105[Lab-3].pdf
18BCN7105[Lab-4].pdf
lab2.txt
s1.py
se1.JPG
se10.JPG
se11.JPG
se12.JPG
se13.JPG
se14.JPG
se15.JPG
se16.JPG
se17.JPG
se18.JPG
se19.JPG
SE2.JPG
se20.JPG
se21.JPG
se3.JPG
SE4.JPG
SE5.JPG
se6.JPG
se7.JPG
se8.JPG
se9.JPG
secure coding lab1.txt
secure coding.pdf
secure.txt
binarysearch.java
LAB3.txt
Secure Coding.docx
SS1.txt
~$cure Coding.docx
ss6.txt
ss10.txt
```

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

Ans:

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

Output:

```
======= RESTART: C:\Users\NOMESH\Desktop\Win sem 2021\secure coding\s1.py =
['18BCN7105']
['18BCN7105_1', '18BCN7105_2', '18BCN7105_3', '18BCN7105_4']
['18BCN7105_1', '18BCN7105_2', '18BCN7105_3', '18BCN7105_4']
['18BCN7105_1', '18BCN7105_2', '18BCN7105_3', '18BCN7105_4']
['18BCN7105_1', '18BCN7105_2', '18BCN7105_3', '18BCN7105_4']
>>>
```

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

Ans:

```
import os
my_list = os.listdir('.')
print(my_list)
```

Output:

```
======= RESTART: C:\Users\NOMESH\Desktop\Win sem 2021\secure coding\s3.py ======
['18BCN7105', '18BCN7105[Lab-1].pdf', '18BCN7105[Lab-2].pdf', '18BCN7105[Lab-3].
pdf', '18BCN7105[Lab-4].pdf', 'lab2.txt', 's1.py', 's3.py', 'se1.JPG', 'se10.JPG
', 'se11.JPG', 'se12.JPG', 'se13.JPG', 'se14.JPG', 'se15.JPG', 'se16.JPG', 'se17
.JPG', 'se18.JPG', 'se19.JPG', 'SE2.JPG', 'se20.JPG', 'se21.JPG', 'se22.JPG', 's
e23.JPG', 'se3.JPG', 'SE4.JPG', 'SE5.JPG', 'se6.JPG', 'se7.JPG', 'se8.JPG', 'se9
.JPG', 'secure coding lab1.txt', 'secure coding.pdf', 'secure.txt']
>>>
```

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

Ans:

```
import os
path ='.'

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

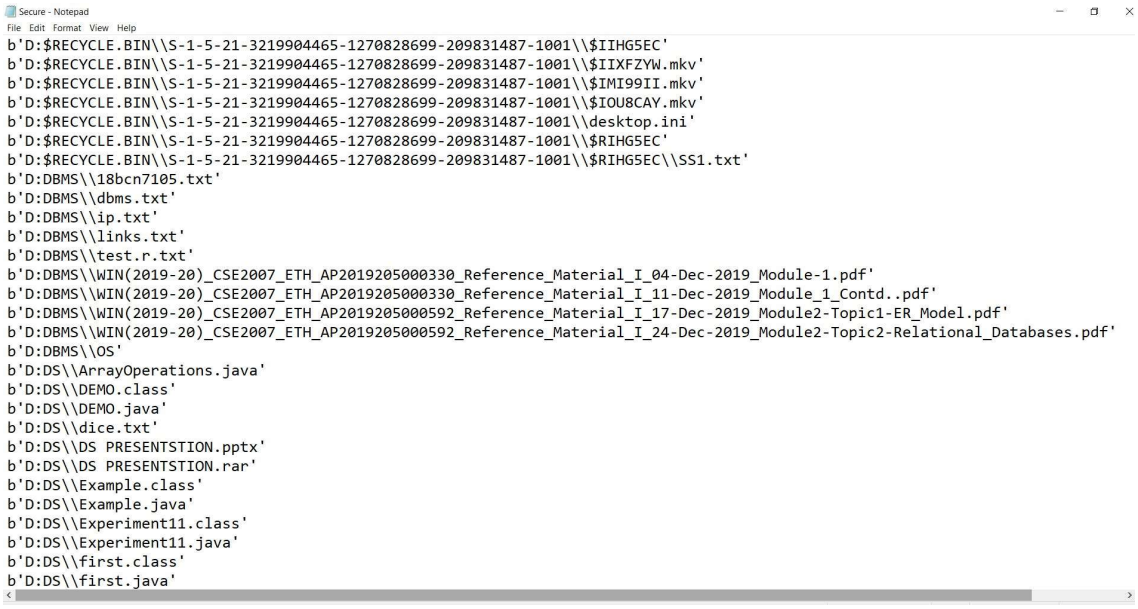
Output:

```
====== RESTART: C:\Users\NOMESH\Desktop\Win sem 2021\secure coding\s3.py ======
. ['18BCN7105'] ['18BCN7105[Lab-1].pdf', '18BCN7105[Lab-2].pdf', '18BCN7105[Lab-3].pdf', '18BCN7105[Lab-4].pdf', 'lab2.txt', 's1.py', 's3.py', 'se1.JPG', 'se10.JPG', 'se11.JPG', 'se12.JPG'
, 'se13.JPG', 'se14.JPG', 'se15.JPG', 'se16.JPG', 'se17.JPG', 'se18.JPG', 'se19.JPG', 'SE2.JPG', 'se20.JPG', 'se21.JPG', 'se22.JPG', 'se23.JPG', 'se24.JPG', 'se3.JPG', 'SE4.JPG', 'SE5.JPG'
, 'se6.JPG', 'se7.JPG', 'se8.JPG', 'se9.JPG', 'secure coding lab1.txt', 'secure coding.pdf', 'secure.txt']
.\18BCN7105 ['18BCN7105_1', '18BCN7105_2', '18BCN7105_3', '18BCN7105_4'] ['binarysearch.java', 'LAB3.txt', 'Secure Coding.docx', 'SS1.txt', '~$cure Coding.docx']
.\18BCN7105\18BCN7105_1 [] []
.\18BCN7105\18BCN7105_2 [] ['ss6.txt']
.\18BCN7105\18BCN7105_3 [] ['ss10.txt']
.\18BCN7105\18BCN7105_4 [] []
>>>
```

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.

```
import os
path="D:"
for root, dirs, files in os.walk(path):
   for name in files:
     print(os.path.join(root, name).encode('utf-8'))
   for name in dirs:
     print(os.path.join(root, name).encode('utf-8'))
```

Output:


Secure - Notepad
File Edit Format View Help
b'D:$RECYCLE.BIN\\S-1-5-21-3219904465-1270828699-209831487-1001\\$IIHG5EC'
b'D:$RECYCLE.BIN\\S-1-5-21-3219904465-1270828699-209831487-1001\\$IIXFZYW.mkv'
b'D:$RECYCLE.BIN\\S-1-5-21-3219904465-1270828699-209831487-1001\\$IMI99II.mkv'
b'D:$RECYCLE.BIN\\S-1-5-21-3219904465-1270828699-209831487-1001\\$IOU8CAY.mkv'
b'D:$RECYCLE.BIN\\S-1-5-21-3219904465-1270828699-209831487-1001\\desktop.ini'
b'D:$RECYCLE.BIN\\S-1-5-21-3219904465-1270828699-209831487-1001\\$RIHG5EC'
b'D:$RECYCLE.BIN\\S-1-5-21-3219904465-1270828699-209831487-1001\\$RIHG5EC\\SS1.txt'
b'D:DBMS\\18bcn7105.txt'
b'D:DBMS\\dbms.txt'
b'D:DBMS\\ip.txt'
b'D:DBMS\\links.txt'
b'D:DBMS\\test.r.txt'
b'D:DBMS\\WIN(2019-20)_CSE2007_ETH_AP2019205000330_Reference_Material_I_04-Dec-2019_Module-1.pdf'
b'D:DBMS\\WIN(2019-20)_CSE2007_ETH_AP2019205000330_Reference_Material_I_11-Dec-2019_Module_1_Contd..pdf'
b'D:DBMS\\WIN(2019-20)_CSE2007_ETH_AP2019205000592_Reference_Material_I_17-Dec-2019_Module2-Topic1-ER_Model.pdf'
b'D:DBMS\\WIN(2019-20)_CSE2007_ETH_AP2019205000592_Reference_Material_I_24-Dec-2019_Module2-Topic2-Relational_Databases.pdf'
b'D:DBMS\\OS'
b'D:DS\\ArrayOperations.java'
b'D:DS\\DEMO.class'
b'D:DS\\DEMO.java'
b'D:DS\\dice.txt'
b'D:DS\\DS PRESENTSTION.pptx'
b'D:DS\\DS PRESENTSTION.rar'
b'D:DS\\Example.class'
b'D:DS\\Example.java'
b'D:DS\\Experiment11.class'
b'D:DS\\Experiment11.java'
b'D:DS\\first.class'
b'D:DS\\first.java'