SECURE CODING LAB-6
03-03-2021

SLOT-L39+L40
18BCN7134
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QUESTION-1

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

CODE

```
Windows PowerShell

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

PS C:\Users\nihar> 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
>>> basepath='C:/Users/nihar/Desktop/Sem-6'
>>> for entry in os.listdir(basepath):
...     if os.path.isfile(os.path.join(basepath, entry)):
...         print(entry)
```

OUTPUT

```
...
HelloWorld.py
lab-1_web.docx
Otbs_18BCN7134_3.html
Otbs_style_18BCN7134_3.css
```

QUESTION-2

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

CODE

```
>>> import os
>>> basepath='C:/Users/nihar/Desktop/Sem-6'
>>> for entry in os.listdir(basepath):
...     if os.path.isdir(os.path.join(basepath, entry)):
...         print(entry)
```

OUTPUT

```
...
18BCN7134_assignment2
18BCN7134_assignment4
assignment6_18BCN7134
Cloud
CSS
Flex layouts
GRID
HTML
JAVA SCRIPT
JSON
Labs
login_18BCN7134
MODEL PAPER SOLUTION
```

QUESTION-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('.'):
...     printf('Found directory: {dirpath}')
```

OUTPUT

```
Found directory: .\AppData\Local\Packages\chrome.sandbox.xrdevice1592b9e5ca3a746b5ee74113ea946f3ddb
8cd7be\AC\INetCache
Found directory: .\AppData\Local\Packages\chrome.sandbox.xrdevice1592b9e5ca3a746b5ee74113ea946f3ddb
8cd7be\AC\INetCookies
Found directory: .\AppData\Local\Packages\chrome.sandbox.xrdevice1592b9e5ca3a746b5ee74113ea946f3ddb
8cd7be\AC\INetHistory
Found directory: .\AppData\Local\Packages\chrome.sandbox.xrdevice1592b9e5ca3a746b5ee74113ea946f3ddb
8cd7be\AC\Temp
Found directory: .\AppData\Local\Packages\CyberLinkCorp.th.Power2GoforLenovo_m916jedk64snt
```

QUESTION-4

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

CODE

```
>>> import os
>>> rootdir='C:/Users/nihar/Desktop/Sem-6'
>>> for rootdir, dirs, files in os.walk(rootdir):
...     for subdir in dirs:
...         print(os.path.join(rootdir, subdir))
```

OUTPUT

```
...
C:/Users/nihar/Desktop/Sem-6\18BCN7134_assignment2
C:/Users/nihar/Desktop/Sem-6\18BCN7134_assignment4
C:/Users/nihar/Desktop/Sem-6\assignment6_18BCN7134
C:/Users/nihar/Desktop/Sem-6\Cloud
C:/Users/nihar/Desktop/Sem-6\CSS
C:/Users/nihar/Desktop/Sem-6\Flex layouts
C:/Users/nihar/Desktop/Sem-6\GRID
C:/Users/nihar/Desktop/Sem-6\HTML
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT
C:/Users/nihar/Desktop/Sem-6\JSON
C:/Users/nihar/Desktop/Sem-6\Labs
C:/Users/nihar/Desktop/Sem-6\login_18BCN7134
C:/Users/nihar/Desktop/Sem-6\MODEL PAPER SOLUTION
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\12_Var vs let
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\1_INTRO
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\2_Variable_DATA TYPE
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\3_OPERATOR
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\4_Conditional
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\5_LOOP
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\6_FUNCTION
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\7_SCOPE_VARIABLE
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\8_Array
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\9_Objects
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\DOM
C:/Users/nihar/Desktop/Sem-6\JAVA SCRIPT\JSON
C:/Users/nihar/Desktop/Sem-6\JSON\jfiles
>>>
```

QUESTION-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.

CODE

```
>>> import os
>>> f= open("pytotext.txt","w+")
>>> for dirpath, dirnames, files in os.walk('.'):
...     print(f'Found directory: {dirpath}')
...     f.write(dirpath+" ")
...     for file_name in files:
...         print(file_name)
...         f.write(file_name+"\n")
...     f.close()
```

OUTPUT

```
...
Found directory: .
2
.appletviewer
14
.node_repl_history
19
18BCN7134_ass2.css
19
18BCN7134_ass2.html
20
18BCN7134_L5.html
18
18BCN7134_w1.html
18
abc.css
8
abc.js
7
advanced_ip_scanner_Aliases.bin
32
advanced_ip_scanner_Comments.bin
33
advanced_ip_scanner_MAC.bin
28
appletviewer
13
ass6.html
10
ass6_18BCN7134.css
19
ass6_18BCN7134.html
20
ass6_18BCN7134.js
18
```

pytotext.txt - Notepad

File   Edit   Format   View   Help

```
18BCN7134_ass2.css
18BCN7134_ass2.html
18BCN7134_L5.html
18BCN7134_w1.html
abc.css
abc.js
advanced_ip_scanner_Aliases.bin
advanced_ip_scanner_Comments.bin
advanced_ip_scanner_MAC.bin
appletviewer
ass6.html
ass6_18BCN7134.css
ass6_18BCN7134.html
ass6_18BCN7134.js
```