


Secure Lab -6

Name : Hemanth Morampudi

Reg.No:18BCE7181

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

 ex.1.py - C:/Users/dell/AppData/Local/Programs/Python/Python39/ex.1.py (3.9.2) —

File Edit Format Run Options Window Help

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

IDLE Shell 3.9.2

File Edit Shell Debug Options Window Help

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.

>>>

===== RESTART: C:/Users/dell/AppData/Local/Programs/Python/Python39/ex.1.py =====

.py
.pyl.py
ex.1.py
LICENSE.txt
NEWS.txt
python.exe
python3.dll
python39.dll
pythonw.exe
vcruntime140.dll
vcruntime140_1.dll
libcrypto-1_1.dll
libffi-7.dll
libssl-1_1.dll
py.ico
pyc.ico
pyd.ico
pyexpat.pyd
python_lib.cat
python_tools.cat
select.pyd
sqlite3.dll
tcl86t.dll
tk86t.dll
unicodedata.pyd
winsound.pyd
_asyncio.pyd
_bz2.pyd
_ctypes.pyd
_ctypes_test.pyd
_decimal.pyd
_elementtree.pyd
_hashlib.pyd
_lzma.pyd
_msi.pyd
_multiprocessing.pyd
_overlapped.pyd
_queue.pyd
_socket.pyd
_sqlite3.pyd
_ssl.pyd
_testbuffer.pyd
_testcapi.pyd

```
abstract.h
asdl.h
ast.h
bitset.h
bltinmodule.h
boolobject.h
bytearrayobject.h
bytesobject.h
cellobject.h
ceval.h
classobject.h
code.h
codecs.h
compile.h
complexobject.h
context.h
datetime.h
descrobject.h
dictobject.h
dynamic_annotations.h
enumobject.h
errcode.h
eval.h
exports.h
fileobject.h
fileutils.h
floatobject.h
frameobject.h
funcobject.h
genericaliasobject.h
genobject.h
graminit.h
grammar.h
import.h
interpreteridobject.h
intrcheck.h
iterobject.h
listobject.h
longintrepr.h
longobject.h
marshal.h
memoryobject.h
methodobject.h
modsupport.h
moduleobject.h
namespaceobject.h
node.h
.
```

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

ex.2.py - C:/Users/dell/AppData/Local/Programs/Python/Python39/ex.2.py (3.9.2)

File Edit Format Run Options Window Help

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

>>>

===== RESTART: C:/Users/dell/AppData/Local/Programs/Python/Python39/ex.2.py =====

```
DLLs
Doc
include
Lib
libs
Scripts
tcl
Tools
>>>
```

```
C:\Users\dell\AppData\Local\Programs\Python\Python39\ex.2.py
C:\Users\dell\AppData\Local\Programs\Python\Python39\ex.1.py
C:\Users\dell\AppData\Local\Programs\Python\Python39\py
C:\Users\dell\AppData\Local\Programs\Python\Python39\py1.py
```

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

ex.3.py - C:/Users/dell/AppData/Local/Programs/Python/Python39/ex.3.py (3.9.2)

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))
```

>>>

```
===== RESTART: C:/Users/dell/AppData/Local/Programs/Python/Python39/ex.3.py ==
.\DLLs
.\Doc
.\include
.\Lib
.\libs
.\Scripts
.\tcl
.\Tools
.\include\cpython
.\include\internal
.\Lib\asyncio
.\Lib\collections
.\Lib\concurrent
.\Lib\ctypes
.\Lib\curses
.\Lib\dbm
.\Lib\distutils
.\Lib\email
.\Lib\encodings
.\Lib\ensurepip
.\Lib\html
.\Lib\http
.\Lib\idlelib
.\Lib\importlib
.\Lib\json
.\Lib\lib2to3
.\Lib\logging
.\Lib\msilib
.\Lib\multiprocessing
.\Lib\pydoc_data
.\Lib\site-packages
.\Lib\sqlite3
.\Lib\test
.\Lib\tkinter
.\Lib\turtledemo
.\Lib\unittest
.\Lib\urllib
.\Lib\venv
.\Lib\wsgiref
.\Lib\xml
.\Lib\xmlrpc
.\Lib\zoneinfo
.\Lib\__pycache__
```

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

File Edit Format Run Options Window Help

```
import os
def recursive(dir, ext):
    subfolders, files = [], []
    for f in os.scandir(dir):
        if f.is_dir():
            subfolders.append(f.path)
            print(f)
        if f.is_file():
            files.append(f.path)
            print(f)

    for dir in list(subfolders):
        sf, f = recursive(dir, ext)
        subfolders.extend(sf)
        files.extend(f)
    return subfolders, files

subfolders, files = recursive(".", ["."])
```

```
<DirEntry '%server.java'>
<DirEntry '192.165.55.104'>
<DirEntry 'acsnmap.txt'>
<DirEntry 'build'>
<DirEntry 'chatclient.class'>
<DirEntry 'chatclient.java'>
<DirEntry 'chatserver.class'>
<DirEntry 'chatserver.java'>
<DirEntry 'client.class'>
<DirEntry 'client.java'>
<DirEntry 'clientbi.class'>
<DirEntry 'clientbi.java'>
<DirEntry 'clientbi.txt'>
<DirEntry 'data.txt'>
<DirEntry 'DateClient.class'>
<DirEntry 'DateClient.java'>
<DirEntry 'DateServer.class'>
<DirEntry 'DateServer.java'>
<DirEntry 'direct.txt'>
<DirEntry 'dist'>
<DirEntry 'edureka.in'>
<DirEntry 'ex1.py'>
<DirEntry 'ex2.py'>
<DirEntry 'ex3.py'>
<DirEntry 'ex4.py'>
<DirEntry 'ex4.txt'>
<DirEntry 'folder1'>
<DirEntry 'google.com'>
<DirEntry 'hello.py'>
<DirEntry 'hello.spec'>
<DirEntry 'MyClient.class'>
<DirEntry 'MyServer.class'>
<DirEntry 'nmap.org'>
<DirEntry 'server.class'>
<DirEntry 'server.java'>
<DirEntry 'serverbi.class'>
<DirEntry 'serverbi.java'>
<DirEntry 'serverui.class'>
<DirEntry 'serverui.java'>
<DirEntry 'tesmint.com'>
<DirEntry 'tf.csv'>
<DirEntry 'udpclient.class'>
<DirEntry 'udpclient.java'>
```

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.

File Edit Format Run Options Window Help

```
import os
def recursive(dir, ext):
    subfolders, files = [], []
    for f in os.scandir(dir):
        if f.is_dir():
            subfolders.append(f.path)
            with open('direct.txt', 'a') as g:
                print(f, file=g)
        if f.is_file():
            files.append(f.path)
            with open('direct.txt', 'a') as g:
                print(f, file=g)
        for dir in list(subfolders):
            sf, f = recursive(dir, ext)
            subfolders.extend(sf)
            files.extend(f)
    return subfolders, files
subfolders, files = recursive(".", ["."])
```

```
<DirEntry '%server.java'>
<DirEntry '192.165.55.104'>
<DirEntry 'acsnmap.txt'>
<DirEntry 'build'>
<DirEntry 'chatclient.class'>
<DirEntry 'chatclient.java'>
<DirEntry 'chatserver.class'>
<DirEntry 'chatserver.java'>
<DirEntry 'client.class'>
<DirEntry 'client.java'>
<DirEntry 'clientbi.class'>
<DirEntry 'clientbi.java'>
<DirEntry 'clientbi.txt'>
<DirEntry 'data.txt'>
<DirEntry 'DateClient.class'>
<DirEntry 'DateClient.java'>
<DirEntry 'DateServer.class'>
<DirEntry 'DateServer.java'>
<DirEntry 'direct.txt'>
<DirEntry 'dist'>
<DirEntry 'edureka.in'>
<DirEntry 'ex1.py'>
<DirEntry 'ex2.py'>
<DirEntry 'ex3.py'>
<DirEntry 'ex4.py'>
<DirEntry 'ex4.txt'>
<DirEntry 'folder1'>
<DirEntry 'google.com'>
```


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

ex4.py - C:/Users/dell/AppData/Local/Programs/Python/Python39/ex4.py (3.9.2)

File Edit Format Run Options Window Help

```
import subprocess
process = subprocess.Popen(["powershell", "New-Item 18BCE7181_FILE4.txt,18BCE7181_FILE5.txt,18BCE7181_FILE6.txt,18BCE7181_FILE7.txt"], stdout=subprocess.PIPE)
result=process.communicate()[0]
print(result)
```

>>>

```
===== RESTART: C:/Users/dell/AppData/Local/Programs/Python/Python39/ex4.py =====
b'\r\n\r\n  Directory: C:\\Users\\dell\\AppData\\Local\\Programs\\Python\\Python39\\r\\n\\r\\n\\nMode                LastWriteTime         Length Name
\r\n-----                -
0 18BCE7181_FILE5.txt                \r\n\r\n\r\n\r\n'
```

>>> |