


Secure Coding Lab-6

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18BCE7015

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

 1 - Notepad

File Edit Format View Help

```
import os
for root , dirs, files in os.walk("."):
    for filename in files:
        print(filename)
stop=input("close this window to exxit")
```

```
C:\Users\vital\Desktop>python 1.py
1.py
165957928_242759984210085_5448378729620247766_n.jpg
Apache-NetBeans-12.2-bin-windows-x64.exe
Capture.PNG
Dauntless.url
desktop.ini
focus-2015-english-yify-42513.zip
Fortnite.url
Gameloop.lnk
Genshin Impact.lnk
Grand Theft Auto V.url
jvk.txt
Login.java
Mozilla Firefox.lnk
New WinRAR archive.rar
NVIDIA GeForce NOW.lnk
```

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

p - Notepad


File Edit Format View Help

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

stop=input("press enter to exit 18BCE7015")
```

```
C:\Users\vital\Desktop>python p.py
18BCE7015
18BCE7015(1)
ANAND
focus-2015-english-yify-42513
KALYANI
New folder
SLAB
press enter to exit 18BCE7015
```

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

 p - Notepad

File Edit Format View 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 18BCE7015")
```

```
C:\Users\vital\Desktop>python p.py
.\18BCE7015
.\18BCE7015(1)
.\ANAND
.\focus-2015-english-yify-42513
.\KALYANI
.\New folder
.\SLAB
.\18BCE7015\folder1
.\18BCE7015\folder2
.\18BCE7015\folder3
.\18BCE7015\folder4
.\18BCE7015(1)\DebugConfig
.\18BCE7015(1)\Listings
.\18BCE7015(1)\Objects
.\ANAND\KALYANI
.\SLAB\f1
.\SLAB\f2
.\SLAB\f3
.\SLAB\f4
press enter to exit 18BCE7015
```

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

p - Notepad

File Edit Format View 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(".", ["."])

stop=input("press enter to exit 18BCE7015")
```

```
C:\Users\vital\Desktop>python p.py
<DirEntry '1.py'>
<DirEntry '165957928_242759984210085_5448378729620247766_n.jpg'>
<DirEntry '18BCE7015'>
<DirEntry '18BCE7015(1)'>
<DirEntry 'ANAND'>
<DirEntry 'Apache-NetBeans-12.2-bin-windows-x64.exe'>
<DirEntry 'Capture.PNG'>
<DirEntry 'Dauntless.url'>
<DirEntry 'desktop.ini'>
<DirEntry 'focus-2015-english-yify-42513'>
<DirEntry 'focus-2015-english-yify-42513.zip'>
<DirEntry 'Fortnite.url'>
```

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.

p - Notepad

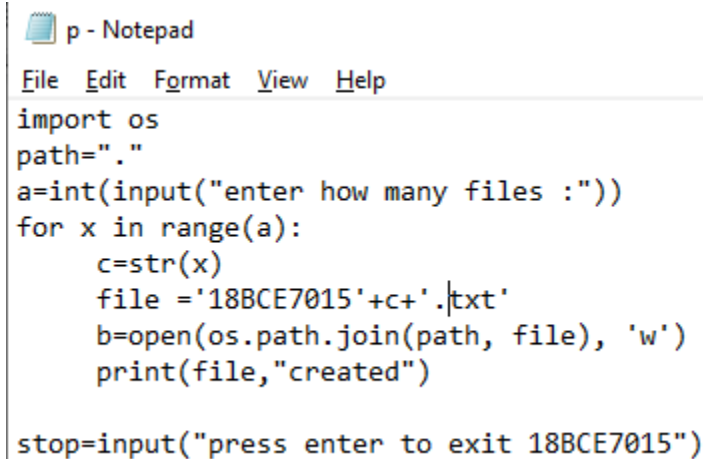
```
File Edit Format View Help
import os
def recursive(dir, ext):
    subfolders, files = [], []
    for f in os.scandir(dir):
        if f.is_dir():
            subfolders.append(f.path)
            with open('direct.txt', 'a') as g:
                print(f,file=g)
        if f.is_file():
         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

stop=input("press enter to exit 18BCE7015")
```

direct - Notepad

```
File Edit Format View Help
<DirEntry '1.py'>
<DirEntry '165957928_242759984210085_5448378729620247766_n.jpg'>
<DirEntry '18BCE7015'>
<DirEntry '18BCE7015(1)'>
<DirEntry 'ANAND'>
<DirEntry 'Apache-NetBeans-12.2-bin-windows-x64.exe'>
<DirEntry 'Capture.PNG'>
<DirEntry 'Dauntless.url'>
<DirEntry 'desktop.ini'>
<DirEntry 'focus-2015-english-yify-42513'>
<DirEntry 'focus-2015-english-yify-42513.zip'>
<DirEntry 'Fortnite.url'>
<DirEntry 'Gameloop.lnk'>
<DirEntry 'Genshin Impact.lnk'>
<DirEntry 'Grand Theft Auto V.url'>
<DirEntry 'jvk.txt'>
<DirEntry 'KALYANI'>
<DirEntry 'Login.java'>
<DirEntry 'Mozilla Firefox.lnk'>
<DirEntry 'New folder'>
<DirEntry 'New WinRAR archive.rar'>
<DirEntry 'NVIDIA GeForce NOW.lnk'>
<DirEntry 'p.py'>
<DirEntry 'Remnant From the Ashes.url'>
```

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

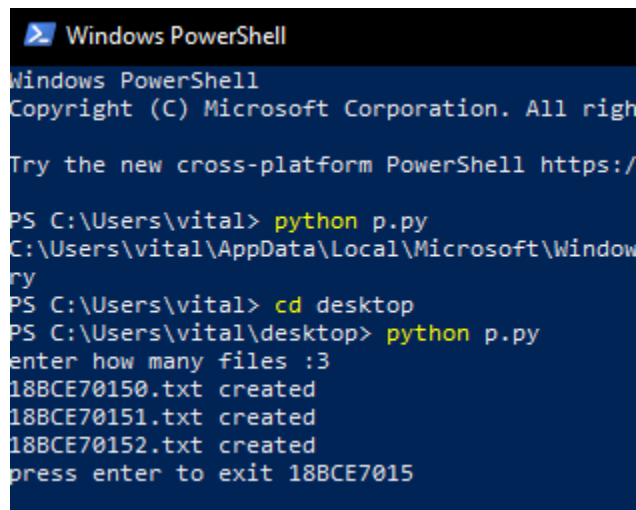


p - Notepad

File Edit Format View Help

```
import os
path="."
a=int(input("enter how many files :"))
for x in range(a):
    c=str(x)
    file ='18BCE7015'+c+'.txt'
    b=open(os.path.join(path, file), 'w')
    print(file,"created")

stop=input("press enter to exit 18BCE7015")
```



Windows PowerShell

Windows PowerShell
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Try the new cross-platform PowerShell <https://aka.ms/powershell>

```
PS C:\Users\vital> python p.py
C:\Users\vital\AppData\Local\Microsoft\Windows\
ry
PS C:\Users\vital> cd desktop
PS C:\Users\vital\desktop> python p.py
enter how many files :3
18BCE70150.txt created
18BCE70151.txt created
18BCE70152.txt created
press enter to exit 18BCE7015
```

