

## Secure coding lab-6

### 18BCE7207

#### 1. Python script to get all names in current directory

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

```
C:\Users\Lekhana Ginjupalli\Documents\lekha>python q1.py
CSE4002_MOBILE-APPLICATION-DEVELOPMENT_ETH_1.0_2_CSE4002.docx
p1.py
q1.py
WIN(2019-20)_CSE4002_ETH_AP2019205000377_Reference_Material_I_11-Dec-2019_class4_firstapp (1).pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000377_Reference_Material_I_12-Dec-2019_class5_views (1).pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000377_Reference_Material_I_13-Dec-2019_class6_textviews_scrollviews.pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000377_Reference_Material_I_18-Dec-2019_Class10_Radio_checkBox_Demo.pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000377_Reference_Material_I_19-Dec-2019_class8_Layouts.pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000377_Reference_Material_I_20-Dec-2019_Class7_The_Activity_Lifecycle_and_Managing_State.pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_10-Dec-2019_2.2_The_Activity_Lifecycle_and_Managing_State.pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_11-Dec-2019_Scroll_eg2.pdf
WIN(2019-20)_CSE4002_ETH_AP2019205000491_Reference_Material_I_12-Dec-2019_1.3_Text_and_Scrolling_Views.pdf
WIN_SEM(2020-21)_CSE4002_ETH_AP2020215000080_Reference_Material_I_27-Jan-2021_class1_introduction_to_course.pdf
WIN_SEM(2020-21)_CSE4002_ETH_AP2020215000080_Reference_Material_I_29-Jan-2021_class2_mobile_ecosystem.pdf
```

#### 2. Python script to get all the directory names in the current directory

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

```
C:\Users\Lekhana Ginjupalli\Desktop>python q2.py
Bindu wedding
Lekhana
__pycache__
```

3. Python script to get all the directory and sub directory names in the current directory.

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

```
C:\Users\Lekhana Ginjupalli\Documents>python q3.py
.\ai_project
.\cyber_lab
.\KingsoftData
.\lab1
.\lekhana
.\MATLAB
.\My Music
.\My Pictures
.\My Videos
.\NetBeansProjects
.\phani
.\root
.\web tech
.\ai_project\Disease tablets
.\KingsoftData\office6
.\lab1\f1
.\lab1\f1\f2
.\lab1\f1\f2\f3
.\lab1\f1\f2\f3\f4
.\NetBeansProjects\cyberlab
.\NetBeansProjects\DaaLab
.\NetBeansProjects\doctor
.\NetBeansProjects\JavaApplication1
.\NetBeansProjects\JavaApplication15
.\NetBeansProjects\JavaApplication17
.\NetBeansProjects\Linkedlists
.\NetBeansProjects\salarymgt
.\NetBeansProjects\salary_mgt
.\NetBeansProjects\Selectionsort
.\NetBeansProjects\seproject
.\NetBeansProjects\Sports
.\NetBeansProjects\stsexam
.\NetBeansProjects\trees
.\NetBeansProjects\cyberlab\build
.\NetBeansProjects\cyberlab\lib
.\NetBeansProjects\cyberlab\nbproject
.\NetBeansProjects\cyberlab\src
.\NetBeansProjects\cyberlab\test
.\NetBeansProjects\cyberlab\build\classes
.\NetBeansProjects\cyberlab\build\classes\cyberlab
.\NetBeansProjects\cyberlab\lib\CopyLibs
.\NetBeansProjects\cyberlab\nbproject\private
.\NetBeansProjects\cyberlab\src\cyberlab
.\NetBeansProjects\DaaLab\build
.\NetBeansProjects\DaaLab\nbproject
.\NetBeansProjects\DaaLab\src
.\NetBeansProjects\DaaLab\test
```

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

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

    for dir in list(subfolders):
        sf, o = recursive(dir, ext)
        sub.extend(sf)
        file.extend(0)
    return sub,file
subfolders, files = recursive(".", ["."])
```

```
C:\Users\Lekhana Ginjupalli\Documents>python q4.py
<DirEntry 'ai_project'>
<DirEntry '18bce7207.py'>
```

5. 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
def recursive(dir, ext):
    subfolders, files = [], []
    for f in os.scandir(dir):
        if f.is_dir():
            subfolders.append(f.path)
        with open('q5.txt', 'a') as g:
            print(f,file=g)
```

```

if f.is_file():
    files.append(f.path)
    with open('q5.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(".", ["."])

```

 q5 - Notepad

File Edit Format View Help

```

<DirEntry '1 (1).pptx'>
<DirEntry '10.class-Notes-planning.ppt'>
<DirEntry '104_Sample_Chapter.pdf'>
<DirEntry '137525875-Crm-at-Honda (1).pdf'>
<DirEntry '137525875-Crm-at-Honda.docx'>
<DirEntry '137525875-Crm-at-Honda.pdf'>
<DirEntry '17MIS7154 LAW Work.pdf'>
<DirEntry '18BCD7125_MAD_LAB1.docx'>
<DirEntry '18BCE7181_LAB-5.pdf'>
<DirEntry '18BCE7207'>
<DirEntry '18BCE7207_LAB'>
<DirEntry 'Left.html'>
<DirEntry 'List.html'>
<DirEntry 'lists1.html'>
<DirEntry 'lists2.html'>
<DirEntry 'Main.html'>
<DirEntry 'myjs.js'>
<DirEntry 'para1.html'>
<DirEntry 'para2.html'>
<DirEntry 'paragraph.html'>
<DirEntry 'Right.html'>
<DirEntry 'style.css'>
<DirEntry 'Top.html'>

```

6. Python script which creates four new files in the current directory using Powershell.

```
import os
path="."
a=4
for x in range(a):
    c=str(x)
    file = 'python'+c+'.txt'
    b=open(os.path.join(path, file), 'w')
    print(file)
```

```
C:\Users\Lekhana Ginjupalli\Downloads>python q6.py
python0.txt
python1.txt
python2.txt
python3.txt
```