Secure coding Lab - 6

Name: Charitha Bodapothula
Reg.No: 19BCN7005
Slot: L23+L24

1.
Python script to list all the files in current files in the current directory

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

```
C:\Users\bchar\AppData\Local\Programs\Python\Python39\python.exe C:/Users/bchar/PycharmProjects/pythonProject2/main.py
main.py
.gitignore
misc.xml
workspace.xml

Process finished with exit code 0
```

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

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

```
C:\Users\bchar\AppData\Local\Programs\Python\Py
.idea
inspectionProfiles

Process finished with exit code 0
```

3.

Python script to get all the directories and subdirectories names

```python
import os
thing=[val for sublist in [[os.path.join(i[0],j) for j in i[2]] for
                            i in os.walk('./')] for val in sublist]
    for x in thing:
    print(x)
```

4.

Python script to get all the filename, directory and subdirectory names

A.

```python
import os
for dirpath,dirs,files in os.walk("."):
    path=dirpath.split('/')
    print('|',(len(path))*'---','[',os.path.basename(dirpath),']')
    for f in files:
        print('|',len(path)*'---',f)
```

```
C:\Users\bchar\AppData\Local\Programs\Python\Python39\python.exe C
| --- [ . ]
| --- main.py
| --- [ .idea ]
| --- .gitignore
| --- misc.xml
| --- modules.xml
| --- pythonProject2.iml
| --- workspace.xml
| --- [ inspectionProfiles ]
| --- profiles_settings.xml

Process finished with exit code 0
```

B.

```python
import os
for dirpath,dirs,files in os.walk("."):
    path=dirpath.split('/')
    print('|',(len(path))*'---','[',os.path.basename(dirpath),']')
    for f in files:
        print('|',len(path)*'---',f)
        sys.stdout.close()
```

```
| --- [ . ]
| --- main.py

Process finished with exit code 1
|
```

5.
Python script to create four new files in the directory using powershell