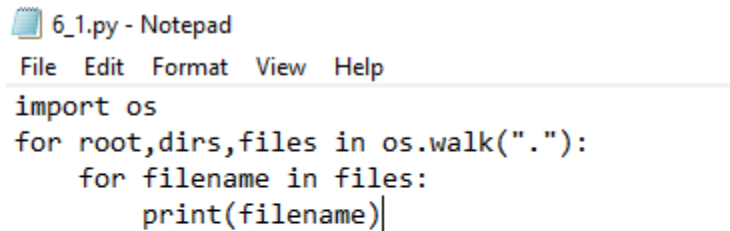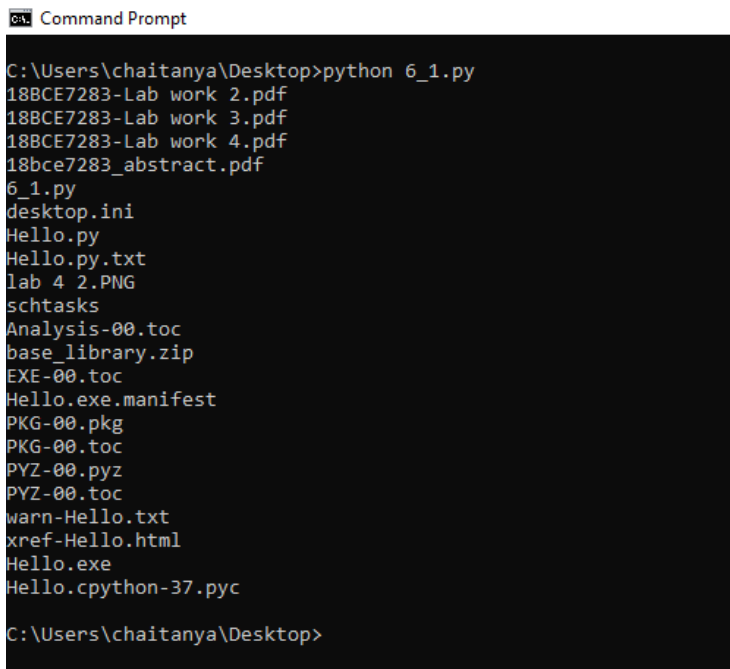# SECURE CODING LAB 6

G.Chaitanya
18BCE7283

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

6_1.py - Notepad

File   Edit   Format   View   Help

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

Command Prompt

```
C:\Users\chaitanya\Desktop>python 6_1.py
18BCE7283-Lab work 2.pdf
18BCE7283-Lab work 3.pdf
18BCE7283-Lab work 4.pdf
18bce7283_abstract.pdf
6_1.py
desktop.ini
Hello.py
Hello.py.txt
lab 4 2.PNG
schtasks
Analysis-00.toc
base_library.zip
EXE-00.toc
Hello.exe.manifest
PKG-00.pkg
PKG-00.toc
PYZ-00.pyz
PYZ-00.toc
warn-Hello.txt
xref-Hello.html
Hello.exe
Hello.cpython-37.pyc

C:\Users\chaitanya\Desktop>
```

```
PS C:\Users\chaitanya\desktop> python 6_1.py
18BCE7283-Lab work 2.pdf
18BCE7283-Lab work 3.pdf
18BCE7283-Lab work 4.pdf
18bce7283_abstract.pdf
6_1.py
desktop.ini
Hello.py
Hello.py.txt
lab 4 2.PNG
schtasks
Analysis-00.toc
base_library.zip
EXE-00.toc
Hello.exe.manifest
PKG-00.pkg
PKG-00.toc
PYZ-00.pyz
PYZ-00.toc
warn-Hello.txt
xref-Hello.html
Hello.exe
Hello.cpython-37.pyc
PS C:\Users\chaitanya\desktop>
```

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

6_2.py - Notepad

File   Edit   Format   View   Help

```python
import os
def files(path):
    for file in os.listdir(path):
        if os.path.isdir(file):
            yield file

for file in files("."):
    print (file)
```

```
C:\Users\chaitanya\Desktop>python 6_2.py
build
dist
secure lab
web lab
__pycache__

C:\Users\chaitanya\Desktop>
```

```
PS C:\Users\chaitanya\desktop> python 6_2.py
build
dist
secure lab
web lab
__pycache__
PS C:\Users\chaitanya\desktop>
```

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

6_3.py - Notepad

File Edit Format View Help

```python
import os

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

Command Prompt

```
C:\Users\chaitanya\Desktop>python 6_3.py
.\build
.\dist
.\secure lab
.\web lab
.\__pycache__
.\build\Hello

C:\Users\chaitanya\Desktop>
```

Windows PowerShell

```
PS C:\Users\chaitanya\desktop> python 6_3.py
.\build
.\dist
.\secure lab
.\web lab
.\__pycache__
.\build\Hello
PS C:\Users\chaitanya\desktop>
```

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

6_4.py - Notepad

File Edit Format View Help

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

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.

6_5.py - Notepad

File Edit Format View Help

```python
import os
file =open("securecodinglab6.txt", "a")
for root,dirs,files in os.walk("."):
    for dirs in dirs :
        file.write('\n'+dirs)
    file.write('\n')
    for files in files :
        file.write('\n'+files)
```

Select Command Prompt

```
C:\Users\chaitanya\Desktop>python 6_5.py

C:\Users\chaitanya\Desktop>
```

securecodinglab6.txt - Notepad

File   Edit   Format   View   Help

build
dist
secure lab
web lab
__pycache__

18BCE7283-Lab work 2.pdf
18BCE7283-Lab work 3.pdf
18BCE7283-Lab work 4.pdf
18bce7283_abstract.pdf
6_1.py
6_2.py
6_3.py
6_4.py
6_5.py
desktop.ini
Hello.py
Hello.py.txt
lab 4 2.PNG
schtasks
securecodinglab6.txt
Hello

Analysis-00.toc
base_library.zip
EXE-00.toc
Hello.exe.manifest
PKG-00.pkg
PKG-00.toc
PYZ-00.pyz
PYZ-00.toc
warn-Hello.txt
xref-Hello.html

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

6_6.py - Notepad

File Edit Format View Help

```
import subprocess
create=subprocess.Popen(["powershell","New-Item py1.txt,py2.txt,py3.txt,py4.txt"],stdout=subprocess.PIPE)
output=create.communicate()[0]
print(output)
```

Command Prompt

```
C:\Users\chaitanya\Desktop>python 6_6.py
b'\r\n\r\n    Directory: C:\\Users\\chaitanya\\Desktop\r\n\r\n\r\nMode                LastWriteTime           Length Name
\r\n----                -------------           ------ ----
\r\n-a----         10-03-2021     14:26              0 py1.txt
\r\n-a----         10-03-2021     14:26              0 py2.txt
\r\n-a----         10-03-2021     14:26              0 py3.txt
\r\n-a----         10-03-2021     14:26              0 py4.txt
\r\n\r\n\r\n'

C:\Users\chaitanya\Desktop>
```