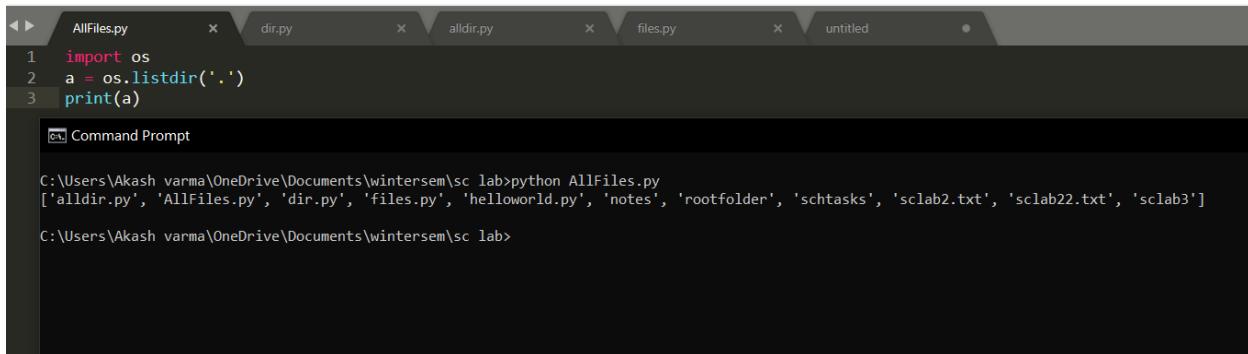


SECURE CODING

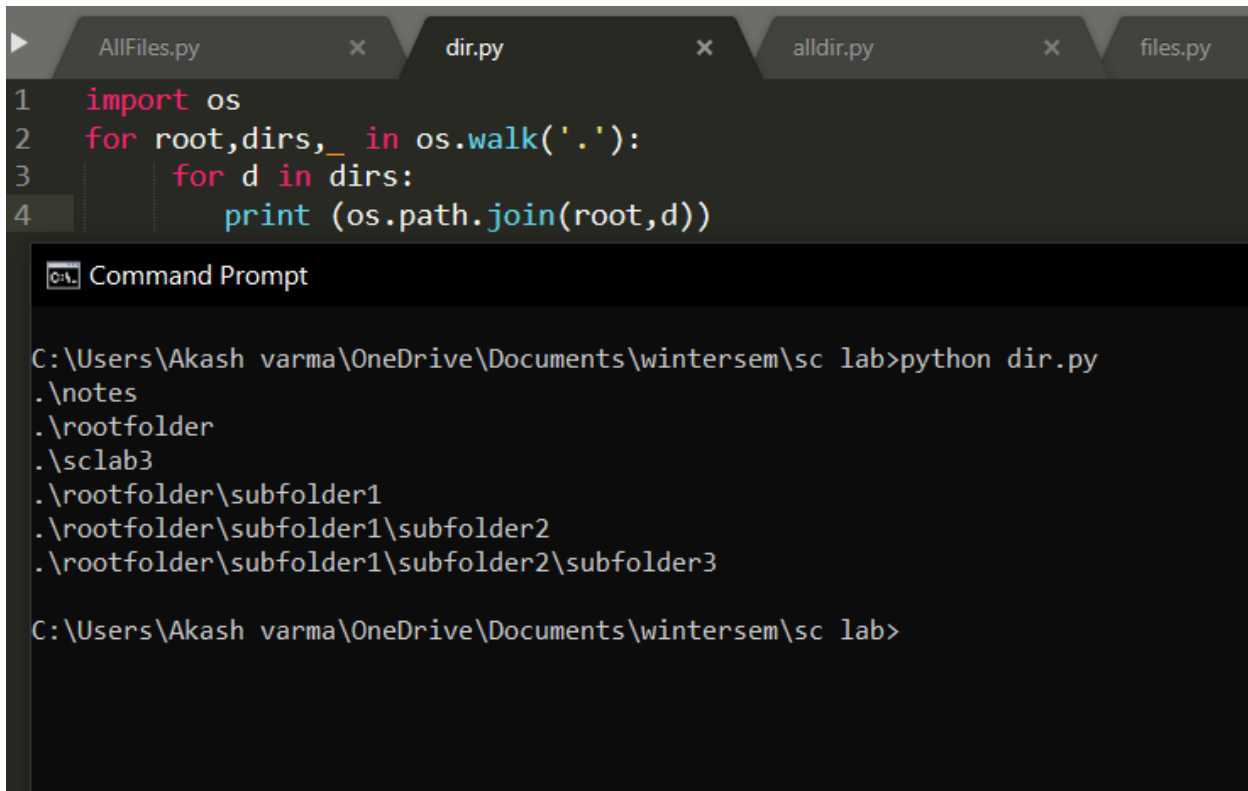
LAB-6

Akash Varma Mantena | 19BCN7260 | L23-24



```
AllFiles.py x dir.py x alldir.py x files.py x untitled
1 import os
2 a = os.listdir('.')
3 print(a)

Command Prompt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>python AllFiles.py
['alldir.py', 'AllFiles.py', 'dir.py', 'files.py', 'helloworld.py', 'notes', 'rootfolder', 'schtasks', 'sclab2.txt', 'sclab22.txt', 'sclab3']
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>
```



```
AllFiles.py x dir.py x alldir.py x files.py
1 import os
2 for root,dirs,_ in os.walk('.'):
3     for d in dirs:
4         print (os.path.join(root,d))

Command Prompt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>python dir.py
.\notes
.\rootfolder
.\sclab3
.\rootfolder\subfolder1
.\rootfolder\subfolder1\subfolder2
.\rootfolder\subfolder1\subfolder2\subfolder3
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>
```

```
AllFiles.py x dir.py x alldir.py x files
1 import os
2 for i,j,k in os.walk('.'):
3     print(i)
```

Command Prompt

```
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>python alldir.py
.
.\notes
.\rootfolder
.\rootfolder\subfolder1
.\rootfolder\subfolder1\subfolder2
.\rootfolder\subfolder1\subfolder2\subfolder3
.\sclab3

C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>
```

```
AllFiles.py x dir.py x alldir.py x files.py x files.py
1 import os
2 def getList(name):
3     filelist = os.listdir(name)
4     allfiles = list()
5     for i in filelist:
6         loc = os.path.join(name, i)
7         if os.path.isdir(loc):
8             allfiles = allfiles + getList(loc)
9         else:
10            allfiles.append(loc)
11    return allfiles
12 def main():
13     name='C:\\Users\\Akash varma\\OneDrive\\Documents\\wintersem\\sc lab';
14
15     filelist = getList(name)
16     for i in filelist:
17         print(i)
18     print(".....")
19     filelist = list()
20     for (dirpath, names, filenames) in os.walk(name):
21         filelist += [os.path.join(dirpath, file) for file in filenames]
22     for i in filelist:
23         print(i)
24 if __name__ == '__main__':
25     main()
```

```
AllFiles.py  x  dir.py  x  alldir.py  x  files.py  x
1  import os
2  import sys
3  stdoutOrigin = sys.stdout
4  sys.stdout = open("Files.txt", "w")
5  def getList(name):
6      filelist = os.listdir(name)
7      allfiles = list()
8      for i in filelist:
9          loc = os.path.join(name, i)
10         if os.path.isdir(loc):
11             allfiles = allfiles + getList(loc)
12         else:
13             allfiles.append(loc)
14     return allfiles
15 def main():
16     name='C:\\Users\\Akash varma\\OneDrive\\Documents\\wintersem\\sc lab';
17
18     filelist = getList(name)
19     for i in filelist:
20         print(i)
21     print(".....")
22     filelist = list()
23     for (dirpath, names, filenames) in os.walk(name):
24         filelist += [os.path.join(dirpath, file) for file in filenames]
25     for i in filelist:
26         print (i)
27 if __name__ == '__main__':
28     main()
```

Command Prompt

```
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>python files.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>allmdir.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>AllFiles.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>dir.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>files.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>Files.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>helloworld.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>notes\SC_CAT1_Security principles.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>notes\SC_CAT1_Vulnerabilities.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>notes\Security Principles - Part 3.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>notes\Security Principles - Part 1.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>notes\Security Principles - Part 2.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>notes\Vulnerabilities - Part 1.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>notes\Vulnerabilities - Part 2.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss1.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss10.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss2.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss3.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss4.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss5.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss6.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss7.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss8.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\19BCN7260ss9.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\ss%A.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss12.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss16.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss17.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss18.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss19.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss20.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss21.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss23.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss24.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>rootfolder\subfolder1\subfolder2\19BCN7260ss25.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>schtasks
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab2.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab22.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\lab1.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test1.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test10.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test11.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test12.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test13.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test14.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test15.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test16.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab>sclab3\test17.txt
```

```
.....
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\alldir.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\AllFiles.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\dir.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\files.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\Files.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\helloworld.py
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\schtasks
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab2.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab22.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\notes\SC_CAT1_Security principles.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\notes\SC_CAT1_Vulnerabilities.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\notes\Security Principles - Part 3.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\notes\Security Principles - Part 1.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\notes\Security Principles - Part 2.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\notes\Vulnerabilities - Part 1.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\notes\Vulnerabilities - Part 2.pptx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss1.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss10.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss2.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss3.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss4.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss5.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss6.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss7.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss8.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\19BCN7260ss9.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\ss%A.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss12.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss16.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss17.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss18.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss19.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss20.docx
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss21.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss23.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss24.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\rootfolder\subfolder1\subfolder2\19BCN7260ss25.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\lab1.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test1.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test10.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test11.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test12.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test13.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test14.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test15.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test16.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test17.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test18.txt
C:\Users\Akash varma\OneDrive\Documents\wintersem\sc lab\sclab3\test19.txt
```

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS C:\Users\Akash varma> ls

Directory: C:\Users\Akash varma

Mode	LastWriteTime	Length	Name
d-----	7/15/2020 1:46 PM		.config
d-----	7/15/2020 1:46 PM		.eclipse
d-----	12/10/2020 10:23 PM		.m2
d-----	2/15/2020 11:00 AM		.Origin
d-----	12/11/2020 4:08 PM		.p2
d-----	2/15/2020 11:00 AM		.QtWebEngineProcess
d-----	7/15/2020 1:46 PM		.tooling
d-----	9/3/2020 7:29 PM		.vscode
d-r---	8/17/2020 1:48 AM		3D Objects
d-----	12/7/2020 1:09 PM		AI LAB
d-----	1/30/2021 11:32 AM		akash
d-----	3/18/2020 5:22 PM		ansel
d-r---	12/10/2020 8:05 PM		AppMods
d-----	3/6/2021 2:35 PM		Cisco Packet Tracer 8.0
d-r---	8/17/2020 1:48 AM		Contacts
d-r---	8/17/2020 10:23 AM		Creative Cloud Files
d-r---	1/30/2021 11:36 AM		Desktop
d-----	2/27/2021 12:20 AM		Documents
d-r---	3/24/2021 6:23 PM		Downloads
d-r---	12/31/2020 4:02 PM		Dropbox
d-----	7/15/2020 12:45 PM		eclipse
d-----	12/10/2020 8:12 PM		eclipse-workspace
d-r---	8/17/2020 1:48 AM		Favorites
d-----	2/15/2021 4:03 PM		ipconfig.txt
d-r---	8/17/2020 1:48 AM		Links
d-r---	12/10/2020 8:05 PM		Music
d-----	1/30/2021 11:23 AM		newfolder
dar--l	3/24/2021 7:14 PM		OneDrive
d-r---	12/10/2020 8:05 PM		Recorded Calls
d-----	12/15/2020 9:10 PM		Root_19bcn7260
d-r---	8/17/2020 1:48 AM		Saved Games
d-----	2/6/2021 12:19 PM		sclab
d-----	2/13/2021 11:36 AM		sclab3
d-r---	8/17/2020 1:48 AM		Searches
d-----	11/17/2020 11:39 AM		STAT LAB
d-r---	3/24/2021 4:14 PM		Videos
d-----	9/6/2020 9:17 PM		vmlogs
-a----	3/9/2021 9:26 PM	180	.packettracer
-a----	9/6/2020 9:19 PM	299	d4ac4633ebd6440fa397b84f1bc94a3c.7z
-a----	2/15/2021 4:04 PM	843	Documents - Shortcut.lnk
-a----	3/24/2021 7:18 PM	1	files0.txt
-a----	3/24/2021 7:18 PM	1	files1.txt