

SECURE CODING LAB-6

SAI VISWAS

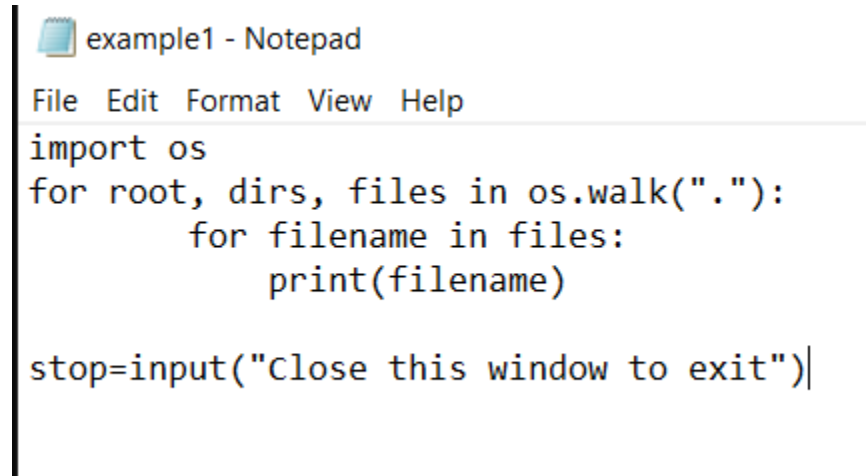
18BCD7124

Questions:

1. Write a python script to get all the file names in the current directory
2. Write a python script to get all the directory names in the current directory
3. Write a python script to get all the directory and subdirectory names in the current directory
4. Write a python script to get all the file name, directory and all the subdirectory names (recursively) in the current directory
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. Write a python script which creates four new files in the current directory using Powershell.

1.

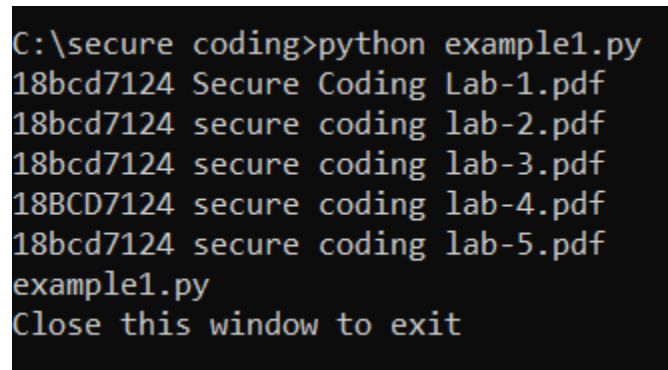
PYTHON SCRIPT:



```
example1 - 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 exit")
```

OUTPUT:



```
C:\secure coding>python example1.py
18bcd7124 Secure Coding Lab-1.pdf
18bcd7124 secure coding lab-2.pdf
18bcd7124 secure coding lab-3.pdf
18BCD7124 secure coding lab-4.pdf
18bcd7124 secure coding lab-5.pdf
example1.py
Close this window to exit
```

2.

PYTHON SCRIPT:

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 18BCD7124")
```

OUTPUT:

```
C:\Program Files>python example2.py
Cisco Packet Tracer 8.0
Common Files
Intel
Internet Explorer
Java
JetBrains
MATLAB
McAfee
McAfee.com
Microsoft Office
Microsoft Office 15
Microsoft Update Health Tools
ModifiableWindowsApps
Mozilla Firefox
R
RStudio
Uninstall Information
UNP
VideoLAN
Windows Defender
Windows Mail
Windows Media Player
Windows Multimedia Platform
Windows NT
Windows Photo Viewer
Windows Portable Devices
Windows Security
Windows Sidebar
WindowsApps
WindowsPowerShell
WinRAR
Press Enter to exit 18BCD7124
```

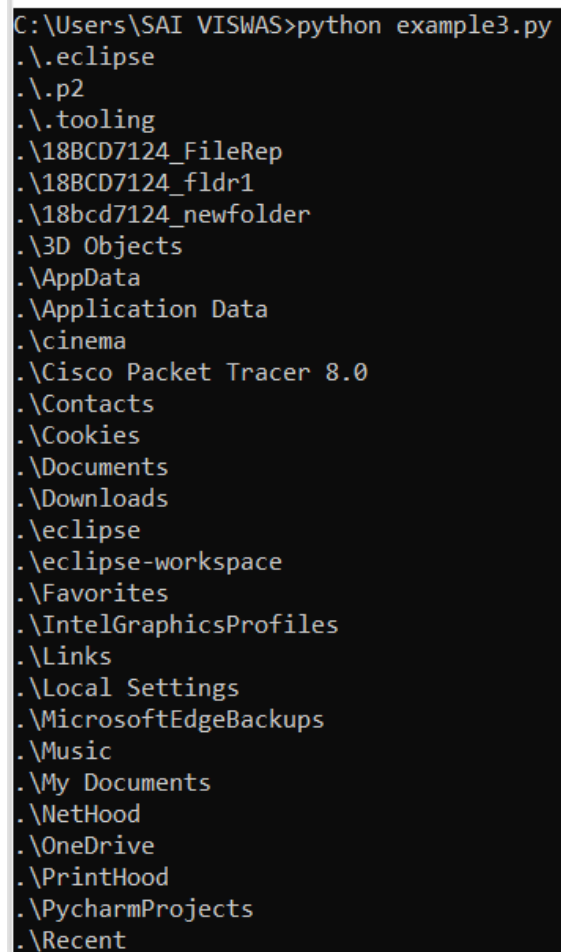
3.

PYTHON SCRIPT:

```
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 18BCD7124")
```

OUTPUT:



```
C:\Users\SAI VISWAS>python example3.py
.\eclipse
.\p2
.\tooling
.\18BCD7124_FileRep
.\18BCD7124_fldr1
.\18bcd7124_newfolder
.\3D Objects
.\AppData
.\Application Data
.\cinema
.\Cisco Packet Tracer 8.0
.\Contacts
.\Cookies
.\Documents
.\Downloads
.\eclipse
.\eclipse-workspace
.\Favorites
.\IntelGraphicsProfiles
.\Links
.\Local Settings
.\MicrosoftEdgeBackups
.\Music
.\My Documents
.\NetHood
.\OneDrive
.\PrinHood
.\PycharmProjects
.\Recent
```

4.

PYTHON SCRIPT:

```
*example4 - Notepad

File Edit Format View Help

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

stop=input("Press Enter to exit 18BCD7124")
```

OUTPUT:

```
C:\Users\SAI VISHWAS>python example4.py
['.eclipse', '.p2', '.tooling', '18BCD7124_FileRep', '18BCD7124_flldr1', '18bcd7124_newfolder', '3D Objects', 'AppData',
'Application Data', 'cinema', 'Cisco Packet Tracer 8.0', 'Contacts', 'Cookies', 'Documents', 'Downloads', 'eclipse', 'E
clipse-workspace', 'Favorites', 'IntelGraphicsProfiles', 'Links', 'Local Settings', 'MicrosoftEdgeBackups', 'Music', 'M
Documents', 'NetHood', 'OneDrive', 'PrinHood', 'PycharmProjects', 'Recent', 'Roaming', 'Saved Games', 'Searches', 'Se
To', 'Start Menu', 'Templates', 'Videos'] ['.packettracer', 'example4.py', 'ntuser.dat', 'ntuser.dat.log1', 'ntuser.da
log2', 'NTUSER.DAT{c50d5dee-c098-11e9-abbe-d4d2525e61ee}.TM.blf', 'NTUSER.DAT{c50d5dee-c098-11e9-abbe-d4d2525e61ee}.TM
ntainer000000000000000001.regtrans-ms', 'NTUSER.DAT{c50d5dee-c098-11e9-abbe-d4d2525e61ee}.TMContainer00000000000000
002.regtrans-ms', 'ntuser.dat{eb1cb349-2cb8-11eb-abd5-d4d2525e61ee}.TM.blf', 'ntuser.dat{eb1cb349-2cb8-11eb-abd5-d4d25
e61ee}.TMContainer00000000000000000001.regtrans-ms', 'ntuser.dat{eb1cb349-2cb8-11eb-abd5-d4d2525e61ee}.TMContainer0000
0000000000002.regtrans-ms', 'ntuser.ini']
['org.eclipse.oomph.p2', 'org.eclipse.oomph.setup', 'org.eclipse.oomph.setup.installer', 'org.eclipse.tips.state'] []
['cache'] ['agents.info', 'defaults.info']
[] ['https___download.eclipse.org_justj_jres_14_updates_release_14.0.2_artifacts.xml.xz', 'https___download.eclipse.or
justj_jres_14_updates_release_14.0.2_content.xml.xz', 'https___download.eclipse.org_justj_jres_14_updates_release_14.0
_p2.index', 'http___download.eclipse.org_oomph_drops_milestone_S20201013-073117-1.19.0-M1_artifacts.xml.xz', 'http_d
nload.eclipse.org_oomph_drops_milestone_S20201013-073117-1.19.0-M1_content.xml.xz', 'http___download.eclipse.org_oomph
rops_milestone_S20201013-073117-1.19.0-M1_p2.index', 'http___download.eclipse.org_oomph_updates_milestone_latest_compo
teArtifacts.jar', 'http___download.eclipse.org_oomph_updates_milestone_latest_compositeContent.jar', 'http___download.
lipse.org_oomph_updates_milestone_latest_p2.index', 'http___download.eclipse.org_releases_2020-09_202009161000_artifac
.xml.xz', 'http___download.eclipse.org_releases_2020-09_202009161000_content.xml.xz', 'http___download.eclipse.org_rel
ses_2020-09_202009161000_p2.index', 'http___download.eclipse.org_technology_epp_packages_2020-09_202009101200_artifact
.jar', 'http___download.eclipse.org_technology_epp_packages_2020-09_202009101200_content.jar', 'http___download.eclip
se.org_technology_epp_packages_2020-09_202009101200_p2.index']
['cache', 'setups'] []
```

5.

PYTHON SCRIPT:

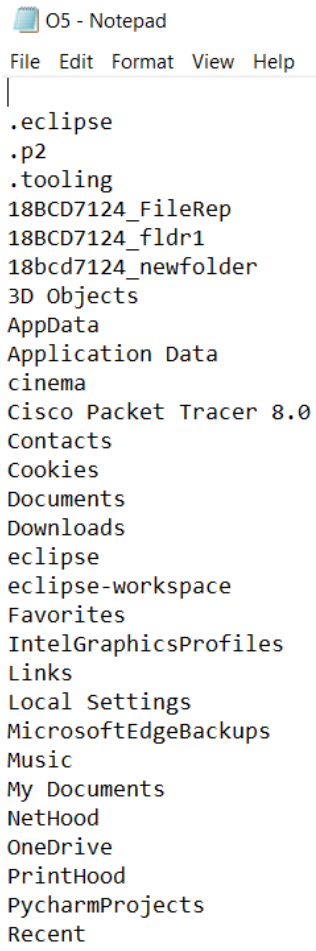
```
import os

f_output=open("05.txt", "a")
for root, dirs, files in os.walk("."):
    for dirs in dirs:
        f_output.write('\n' + dirs)
    f_output.write('\n\n')
    for files in files:
        f_output.write('\n' + files )

stop=input("Press Enter to exit 18BCD7124")|
```

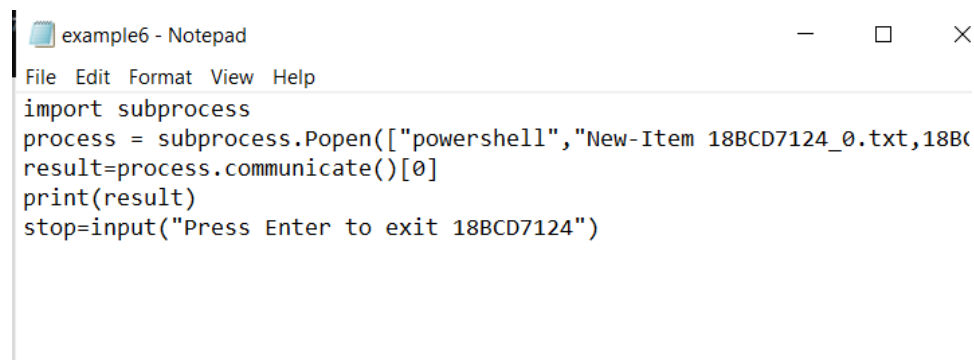
OUTPUT:

```
C:\Users\SAI VISWAS>python example5.py
Press Enter to exit 18BCD7124
```



6.

PYTHON SCRIPT:



OUTPUT:

```
C:\Users\SAI_VISWAS>python example6.py
b'\r\n\r\n' Directory: C:\Users\SAI_VISWAS\r\n\r\n\r\n\r\nMode                LastWriteTime         Length Name
-----
\r\n-----
\r\n-a----          09-03-2021    22:19             0 18BCD71
24_0.txt
\r\n-a----          09-03-2021    22:19             0 18BC
D7124_1.txt
\r\n-a----          09-03-2021    22:19             0 1
8BCD7124_2.txt
\r\n-a----          09-03-2021    22:19
0 18BCD7124_3.txt
\r\n\r\n\r\n\r\n'
Press Enter to exit 18BCD7124
```