SECURE CODING CSE-2010
LAB-6

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Reg no - 18BCN7053
Slot - L23-L24

1.

```
PS C:\Users\visha> ps | sort -p ws | select -last 5

Handles  NPM(K)    PM(K)      WS(K)     CPU(s)     Id  SI ProcessName
-------  ------    -----      -----     ------     --  -- -----------
   1915     111   149184     231588      15.86  14388  10 SearchApp
   2970     110   231736     286172     158.19   8756  10 explorer
      0       0     1392     542320                2428   0 Memory Compression
   2937     105   931448     612400                4568   0 MsMpEng
   1246      92  4823576    2504396               13972  10 dwm


PS C:\Users\visha>
```

```
PS C:\Users\visha> Get-Alias

CommandType     Name                                               Version    Source
-----------     ----                                               -------    ------
Alias           % -> ForEach-Object
Alias           ? -> Where-Object
Alias           ac -> Add-Content
Alias           asnp -> Add-PSSnapin
Alias           cat -> Get-Content
Alias           cd -> Set-Location
Alias           CFS -> ConvertFrom-String                          3.1.0.0    Microsoft.PowerShell.Utility
Alias           chdir -> Set-Location
Alias           clc -> Clear-Content
Alias           clear -> Clear-Host
Alias           clhy -> Clear-History
Alias           cli -> Clear-Item
Alias           clp -> Clear-ItemProperty
Alias           cls -> Clear-Host
Alias           clv -> Clear-Variable
Alias           cnsn -> Connect-PSSession
Alias           compare -> Compare-Object
Alias           copy -> Copy-Item
Alias           cp -> Copy-Item
Alias           cpi -> Copy-Item
Alias           cpp -> Copy-ItemProperty
Alias           curl -> Invoke-WebRequest
Alias           cvpa -> Convert-Path
Alias           dbp -> Disable-PSBreakpoint
Alias           del -> Remove-Item
Alias           diff -> Compare-Object
Alias           dir -> Get-ChildItem
Alias           dnsn -> Disconnect-PSSession
Alias           ebp -> Enable-PSBreakpoint
Alias           echo -> Write-Output
Alias           epal -> Export-Alias
Alias           epcsv -> Export-Csv
Alias           epsn -> Export-PSSession
Alias           erase -> Remove-Item
Alias           etsn -> Enter-PSSession
Alias           exsn -> Exit-PSSession
Alias           fc -> Format-Custom
Alias           fhx -> Format-Hex                                  3.1.0.0    Microsoft.PowerShell.Utility
Alias           fl -> Format-List
Alias           foreach -> ForEach-Object
Alias           ft -> Format-Table
Alias           fw -> Format-Wide
Alias           gal -> Get-Alias
Alias           gbp -> Get-PSBreakpoint
```

\

```
PS C:\Users\visha> Get-Location

Path
----
C:\Users\visha


PS C:\Users\visha> Get-ChildItem


    Directory: C:\Users\visha


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
d-----        07-06-2021     20:24                .android
d-----        08-06-2021     23:03                .cache
d-----        08-06-2021     23:03                .eclipse
d-----        06-06-2021     23:03                .gradle
d-----        06-06-2021     22:28                .markdownNavigator
d-----        08-06-2021     23:32                .p2
d-r---        04-05-2021     00:12                3D Objects
d-----        07-06-2021     19:52                AndroidStudioProjects
d-----        04-05-2021     12:26                ansel
d-r---        04-05-2021     00:12                Contacts
d-r---        10-06-2021     23:09                Desktop
d-r---        10-06-2021     23:03                Documents
d-r---        10-06-2021     22:28                Downloads
d-----        08-06-2021     22:27                eclipse
d-----        08-06-2021     23:04                eclipse-workspace
d-r---        04-05-2021     00:12                Favorites
d-----        03-05-2021     19:29                Intel
d-r---        04-05-2021     00:12                Links
d-r---        04-05-2021     00:12                Music
d-r---        05-05-2021     01:10                OneDrive
d-r---        08-06-2021     20:49                Pictures
d-----        07-06-2021     20:02                PycharmProjects
d-----        27-09-2019     06:29                Roaming
d-r---        04-05-2021     00:12                Saved Games
d-r---        04-05-2021     00:12                Searches
d-----        07-06-2021     11:53                StudioProjects
d-r---        10-06-2021     19:54                Videos
-a----        06-06-2021     21:20             16 .emulator_console_auth_token
```

```
PS C:\Users\visha> Get-Process

Handles  NPM(K)    PM(K)     WS(K)    CPU(s)      Id  SI ProcessName
-------  ------    -----     -----    ------      --  -- -----------
    484      28    21344     35872      0.33   10224  10 ApplicationFrameHost
     73       5     2456      4300      0.03    6684  10 cmd
    140       7     1968      8960      0.16   14292  10 CompPkgSrv
    121       8     6516      1008      0.05    5180  10 conhost
    272      14     5144     17988      0.69    5784  10 conhost
    278      14     8416     21448      1.06    8860  10 conhost
    101       7     6228      5600             15288   0 conhost
    749      24     2000      5800               756   0 csrss
    695      23     2716      6676              9280  10 csrss
    507      18    31416     45724     19.47   10576  10 ctfmon
    187      12     2984     10944             12624   0 dasHost
    207      16     3872     11088              9116   0 dllhost
    273      17     4260     13208      0.28   12748  10 dllhost
    803      51   164484     48372      2.95   11748  10 Dragon Center
   1314      95  4946028   2632072             13972  10 dwm
    359      18     6048     14864              4224   0 EvtEng
   2956     110   247128    300728    163.63    8756  10 explorer
    120       7     1276      7172             12316   0 fodhelper
     32       5     1612      3296               760   0 fontdrvhost
     32       8    11296     19888              7348  10 fontdrvhost
      0       0       60         8                 0   0 Idle
    179      10     1960      8128              2520   0 igfxCUIService
    496      19     4964     19008      0.58   14968  10 igfxEM
    143       8     1384      6424              1496   0 IntelCpHDCPSvc
    129       7     1560      6288              1836   0 IntelCpHeciSvc
    136       8     1288      5416              5096   0 jhi_service
   1612      43    10396     22596               980   0 lsass
      0       0     1400    580324              2428   0 Memory Compression
    920      48    48136     52528      1.11   10740  10 Microsoft.Photos
    253      13    13456     12664              4264   0 MSIAPService
    171      13     2268      9400              4232   0 MSIService
   3004     105   944936    616992              4568   0 MsMpEng
    575      29    40820     39952      0.56    5664  10 nahimicNotifSys
    392      19     7404     21188              4256   0 NahimicService
   1343      22    11440      7848     16.17   16124  10 NahimicSvc32
    354      16     4840      5244      0.88    1220  10 NahimicSvc64
    208      12     5304     10696              8864   0 NisSrv
    396      18     8656      7272              4304   0 NortonSecurity
    446      49    34032     36684      7.92    3968  10 nvcontainer
    766      75    11100     26604              4368   0 nvcontainer
    362      22     8268     26944      0.41   13084  10 nvcontainer
    521      25    28588     29788              1796  10 NVDisplay.Container
    268      12     3468     11736              2196   0 NVDisplay.Container
    759      39    39564     73080      4.45    9548  10 NVIDIA Share
```
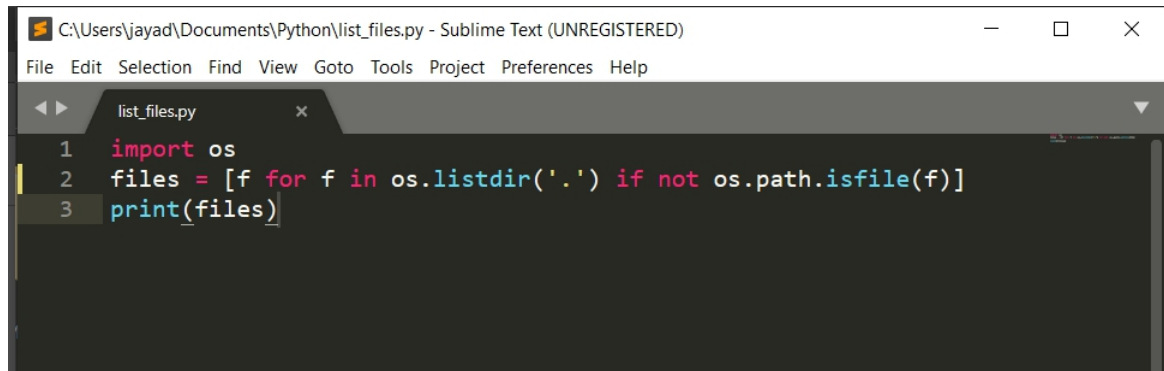
2.

C:\Users\jayad\Documents\Python\list_files.py - Sublime Text (UNREGISTERED)

File Edit Selection Find View Goto Tools Project Preferences Help

list_files.py

```python
import os
files = [f for f in os.listdir('.') if os.path.isfile(f)]
print(files)
```

```
PS C:\Users\visha> cd desktop
PS C:\Users\visha\desktop> cd Python
PS C:\Users\visha\desktop\Python> python list_files.py
```

3.

C:\Users\jayad\Documents\Python\list_files.py - Sublime Text (UNREGISTERED)

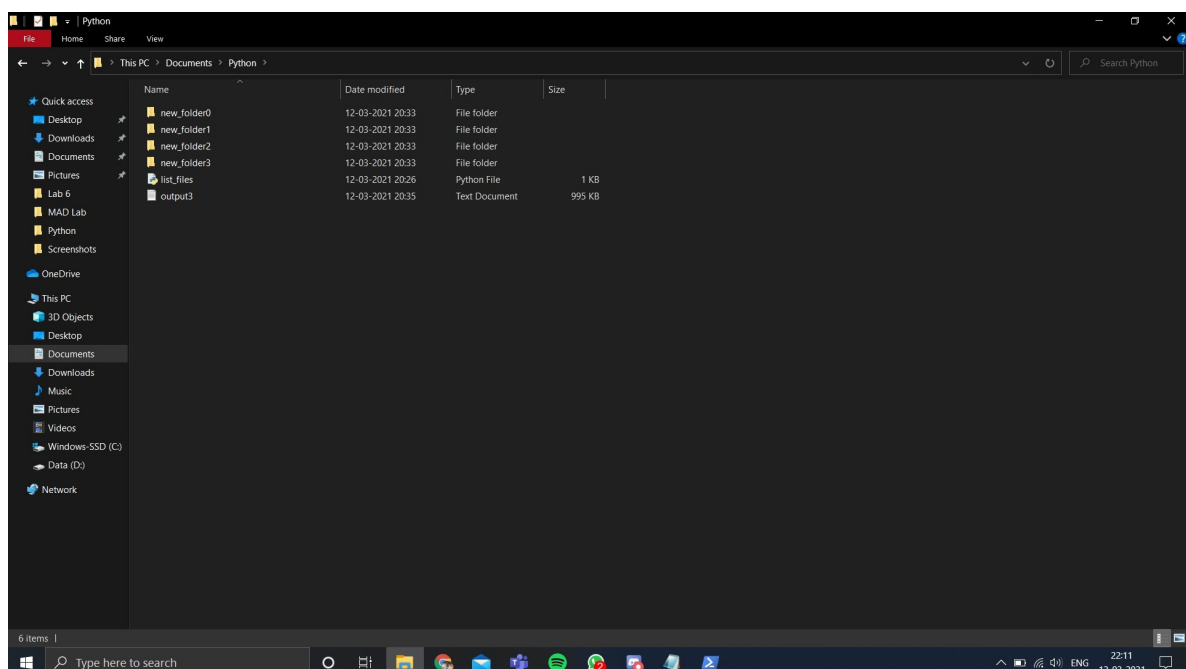File Edit Selection Find View Goto Tools Project Preferences Help

list_files.py

```python
1  import os
2  files = [f for f in os.listdir('.') if not os.path.isfile(f)]
3  print(files)
```

```
PS C:\Users\visha\desktop\Python>
```

5-

```
KeyboardInterrupt
>>> import os
>>> current_directory = os.getcwd()
>>> for i in range(4):
...     final_directory = os.path.join(current_directory, f'new_folder{i}')
...     if not os.path.exists(final_directory):
...         os.makedirs(final_directory)
...
```
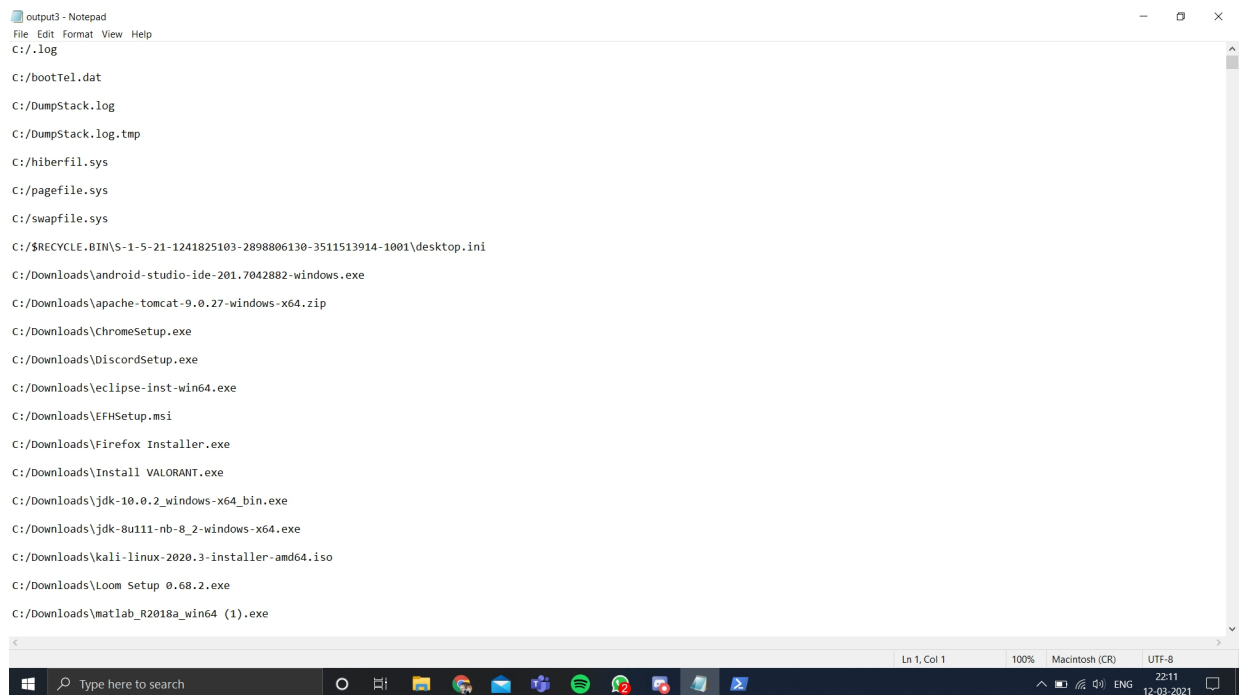
Output - 4 folders created

6-

CODE-

```
>>> import os
>>> import sys
>>> a = open("output3.txt", "w")
>>> top="C:/"
>>> for path, subdirs, files in os.walk(top):
...     for filename in files:
...             f = os.path.join(path, filename)
...             a.write(str(f) + os.linesep)
...
```

Output-

```
output3 - Notepad
File  Edit  Format  View  Help
C:/.log

C:/bootTel.dat

C:/DumpStack.log

C:/DumpStack.log.tmp

C:/hiberfil.sys

C:/pagefile.sys

C:/swapfile.sys

C:/$RECYCLE.BIN\S-1-5-21-1241825103-2898806130-3511513914-1001\desktop.ini

C:/Downloads\android-studio-ide-201.7042882-windows.exe

C:/Downloads\apache-tomcat-9.0.27-windows-x64.zip

C:/Downloads\ChromeSetup.exe

C:/Downloads\DiscordSetup.exe

C:/Downloads\eclipse-inst-win64.exe

C:/Downloads\EFHSetup.msi

C:/Downloads\Firefox Installer.exe

C:/Downloads\Install VALORANT.exe

C:/Downloads\jdk-10.0.2_windows-x64_bin.exe

C:/Downloads\jdk-8u111-nb-8_2-windows-x64.exe

C:/Downloads\kali-linux-2020.3-installer-amd64.iso

C:/Downloads\Loom Setup 0.68.2.exe

C:/Downloads\matlab_R2018a_win64 (1).exe
```