LAB-6 ASSIGNMENT

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-19BCE7170

Q) Find the first five processes using the most memory

Sol:

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

Handles  NPM(K)    PM(K)     WS(K)     CPU(s)      Id  SI ProcessName
-------  ------    -----     -----     ------      --  -- -----------
    603      27   375620    397824       2.28   21600   1 msedge
    560     206   485776    422688   1,912.39   13848   1 Teams
   1256     114  1959800    537272   1,134.33    6512   0 oracle
    538      57   918536    890244      44.33   17460   0 MoUsoCoreWorker
      0       0     3640    974596     140.45    3436   0 Memory Compression
```

Q1) Write a python script to get all the file names in the current directory

Sol:

```
Administrator: Windows PowerShell
PS C:\Users\jammu\OneDrive\Desktop\clg\Secure Coding> Python 1.py
1.py
19BCE7170-JAYANTH LAB-1.pdf
19BCE7170-Jayanth lab-2.docx
19BCE7170-Jayanth lab-2.pdf
19BCE7170-JAYANTH LAB-3.docx
19BCE7170-JAYANTH LAB-3.pdf
19BCE7170-JAYANTH LAB-4.docx
19BCE7170-JAYANTH LAB-4.pdf
19BCE7170-JAYANTH LAB-5.docx
19BCE7170-JAYANTH LAB-5.pdf
1st lab.docx
oracle deleting method.txt
secure coding lab2.txt
secure lab4.txt
secure lab5.txt
secure lab7.txt
1.png
1.spec
secure.py
secure.spec
Analysis-00.toc
base_library.zip
COLLECT-00.toc
EXE-00.toc
PKG-00.pkg
PKG-00.toc
PYZ-00.pyz
PYZ-00.toc
secure.exe
secure.exe.manifest
Tree-00.toc
Tree-01.toc
Tree-02.toc
warn-secure.txt
xref-secure.html
base_library.zip
libcrypto-1_1.dll
libffi-7.dll
libssl-1_1.dll
pyexpat.pyd
python38.dll
secure.exe
secure.exe.manifest
select.pyd
unicodedata.pyd
VCRUNTIME140.dll
_asyncio.pyd
_bz2.pyd
_ctypes.pyd
_decimal.pyd
_hashlib.pyd
_lzma.pyd
_multiprocessing.pyd
_overlapped.pyd
```

Q2) Write a python script to get all the directory names in the current directory

Sol:

```
PS D:\> Python 2.py
$RECYCLE.BIN
Cisco Packet Tracer 7.3.1
CP2077BonusContent
Cyberpunk2077
Forza  Horizon 4
Games
LAB
Recovery
rocketleague
Sc
SteamLibrary
System Volume Information
VaultCache
Watchdogs2
xampp
S-1-5-21-373252533-545381699-4035940443-1001
S-1-5-21-373252533-545381699-4035940443-500
art
backgrounds
bin
extensions
help
languages
plugins
saves
sounds
templates
Activity
Background
Common
ComponentBox
Cursors
DrawingTools
html
IoE
IPPhone
MIBBrowser
Misc
Offline-Save
PDUInfo
PhysicalView
PLToolbox
RackView
Simulation
Switches
```

Q3) Write a python script to get all the directory and subdirectory names in the current directory

Sol:

Q4) Write a python script to get all the file name, directory and all the subdirectory names (recursively) in the current directory

Sol:

```
PS C:\Users\jammu\OneDrive\Desktop\clg\web tech codes> Python 4.py
| ---- [ . ]
| ---- 4.py
| ---- [ .vscode ]
| ---- settings.json
| ---- [ angular ]
| ---- angular.min.js
| ---- expression.html
| ---- firstang.html
| ---- includingangularscript.html
| ---- index.html
| ---- script.js
| ---- second.html
| ---- style.css
| ---- [ css files ]
| ---- block and inline.html
| ---- creatingaboxusinginlineandblock.html
| ---- css color icon background image border.html
| ---- download.jfif
| ---- download1.jfif
| ---- fixed,static,absolute,sticky.html
| ---- flexbox.html
| ---- grid.html
| ---- grid1.html
| ---- grid2.html
| ---- grid3.html
| ---- grid4.html
| ---- margin and padding
| ---- margin and padding.html
| ---- navigationbar.html
| ---- output.html
| ---- visibility.html
| ---- [ .vscode ]
| ---- settings.json
| ---- [ html ]
| ---- 1st.html
| ---- audio and video.html
| ---- br tag.html
| ---- div and span tags.html
| ---- emoji.html
| ---- Form-1.html
| ---- google logo.png
| ---- Heading tags.html
| ---- hr tag.html
| ---- iframe.html
| ---- img tag.html
| ---- Maroon 5 - Animals.mp3
| ---- ordered and unordered lists and styling them.html
| ---- ordered and unordered lists.html
| ---- page-1.html
| ---- pararaph and anchor tag.html
| ---- table and font.html
| ---- video.mp4
| ---- [ javascript ]
| ---- grid5responsive.html
```

Q5) 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.

Sol:

```
PS C:\Users\jammu\OneDrive\Desktop\clg\web tech codes> Python 5.py
| ---- [ . ]
| ---- 4.py
| ---- 5.py
| ---- [ .vscode ]
| ---- settings.json
| ---- [ angular ]
| ---- angular.min.js
| ---- expression.html
| ---- firstang.html
| ---- includingangularscript.html
| ---- index.html
| ---- script.js
| ---- second.html
| ---- style.css
| ---- [ css files ]
| ---- block and inline.html
| ---- creatingaboxusinginlineandblock.html
| ---- css color icon background image border.html
| ---- download.jfif
| ---- download1.jfif
| ---- fixed,static,absolute,sticky.html
| ---- flexbox.html
| ---- grid.html
| ---- grid1.html
| ---- grid2.html
| ---- grid3.html
| ---- grid4.html
| ---- margin and padding
| ---- margin and padding.html
| ---- navigationbar.html
| ---- output.html
| ---- visibility.html
| ---- [ .vscode ]
| ---- settings.json
| ---- [ html ]
| ---- 1st.html
| ---- audio and video.html
| ---- br tag.html
| ---- div and span tags.html
| ---- emoji.html
| ---- Form-1.html
| ---- google logo.png
| ---- Heading tags.html
| ---- hr tag.html
| ---- iframe.html
| ---- img tag.html
| ---- Maroon 5 - Animals.mp3
```

File   Edit   Format   View   Help

```
| ---- [ . ]
| ---- 4.py
| ---- 5.py
| ---- [ .vscode ]
| ---- settings.json
| ---- [ angular ]
| ---- angular.min.js
| ---- expression.html
| ---- firstang.html
| ---- includingangularscript.html
| ---- index.html
| ---- script.js
| ---- second.html
| ---- style.css
| ---- [ css files ]
| ---- block and inline.html
| ---- creatingaboxusinginlineandblock.html
| ---- css color icon background image border.html
| ---- download.jfif
| ---- download1.jfif
| ---- fixed,static,absolute,sticky.html
| ---- flexbox.html
| ---- grid.html
| ---- grid1.html
| ---- grid2.html
| ---- grid3.html
| ---- grid4.html
| ---- margin and padding
| ---- margin and padding.html
| ---- navigationbar.html
| ---- output.html
| ---- visibility.html
```

Q6) Write a python script which creates four new files in the current directory using Powershell.

Sol:

```
PS C:\Users\jammu\OneDrive\Desktop\clg\Secure Coding> ni file_1,file_2,file_3,file_4


    Directory: C:\Users\jammu\OneDrive\Desktop\clg\Secure Coding


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
-a----        03-06-2021     04:05              0 file_1
-a----        03-06-2021     04:05              0 file_2
-a----        03-06-2021     04:05              0 file_3
-a----        03-06-2021     04:05              0 file_4


PS C:\Users\jammu\OneDrive\Desktop\clg\Secure Coding>
```

19BCE7170-JAYANTH LAB-4.docx	✓	06-03-2021 09:26	Microsoft Word D...	690 KB
19BCE7170-JAYANTH LAB-4.pdf	✓	06-03-2021 09:26	Microsoft Edge PD...	805 KB
19BCE7170-JAYANTH LAB-5.docx	✓	05-03-2021 23:47	Microsoft Word D...	398 KB
19BCE7170-JAYANTH LAB-5.pdf	✓	05-03-2021 23:47	Microsoft Edge PD...	397 KB
file_1	✓	03-06-2021 04:05	File	0 KB
file_2	✓	03-06-2021 04:05	File	0 KB
file_3	✓	03-06-2021 04:05	File	0 KB
file_4	✓	03-06-2021 04:05	File	0 KB
oracle deleting method.txt	✓	06-02-2021 16:32	Text Document	1 KB
secure coding lab2.txt	✓	13-02-2021 12:30	Text Document	2 KB