

SECURE CODING LAB – 6

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1. Find the first processes using the most memory.

```
b2 C:/ProgramData/Powercat>

      411      742      30101e      530208      T@t'4T      TS1S      J 169ms
      4552     TS1      T08844      TS1054      553'TT      811e      J exbtol6L
      2023     T08      TT3258      885e4              4408      0 yAaeF2AC
      2dT      58      1T188      805TE              TT648      0 9ZMEUB2LA
      e10      34      e14Te      1d004          S'dT      5d00      J bomeLzpeJT
-----
HauQT62    MbW(K)    bW(K)        M2(K)         CBn(z)       Iq      ZI   brocezzwame
b2 C:/ProgramData/Powercat> b2 | zofc -b m2 | z6Jecf -JaeF 2
```

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

lab_6_2.py - C:/Users/Gurram Sindhu/Desktop/lab_6_2.py (3.9.2)

File Edit Format Run Options Window Help

```
import os
basepath = 'F:\securelab'
for entry in os.listdir(basepath):
    if os.path.isfile(os.path.join(basepath,entry)):
        print(entry)
```

```
PS C:\Users\Gunnam Sindhu\Desktop> python lab_6_2.py
ADVANCE CYBER SECURITY ASSIGNMENT.docx
DAA LAB-3.pdf
SECURE CODING LAB - 3.pdf
SECURE CODING LAB1.pdf
PS C:\Users\Gunnam Sindhu\Desktop>
```

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

```
lab_6_3.py - C:/Users/Gurram Sindhu/Desktop/lab_6_3.py (3.9.2)
File Edit Format Run Options Window Help
import os
basepath = 'F:\securelab'
for entry in os.listdir(basepath):
    if os.path.isdir(os.path.join(basepath,entry)):
        print(entry)
|
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Gurram Sindhu> cd Desktop
PS C:\Users\Gurram Sindhu\Desktop> python lab_6_3.py
lab1
lab2
lab3
PS C:\Users\Gurram Sindhu\Desktop>
```

4. Write a python script to get all the directory and sub directory names in the current directory.

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Gurram Sindhu> cd F:\securelab
PS F:\securelab> python
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import os
>>> for root, dirs, files in os.walk("."):
...     for dirname in dirs:
...         print(dirname)
...
lab1
lab2
lab3
>>>
```

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

```

PS F:\securelab> python
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import os
>>> path=os.getcwd()
>>> filelist = []
>>> for root, dirs, files in os.walk(path):
...     for file in files:
...         filelist.append(os.path.join(root,file))
...
>>> for name in filelist:
...     print(name)
...
F:\securelab\ADVANCE CYBER SECURITY ASSIGNMENT.docx
F:\securelab\DAA LAB-3.pdf
F:\securelab\SECURE CODING LAB - 3.pdf
F:\securelab\SECURE CODING LAB1.pdf
>>>

```

6. Write a python script to get all the filenames, directory and all the subdirectory names (recursively) in the current drive and write it to a text file.

```

import os
f=open("pythontext.txt","w+")
for dirpath,dirnames,files in os.walk('.'):
    print(f'Found directory:{dirpath}')
    f.write(dirpath+"\n")
    for file_name in files:
        print(file_name)
        f.write(file_name+"\n")
f.close()

```

```

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

PS C:\Users\Gurram Sindhu> cd Desktop
PS C:\Users\Gurram Sindhu\Desktop> python lab_6_5.py
Found directory:.
10th certificate.pdf
18BCN7098_G SINDHU.pdf
Adv CYBER ass-1.pdf
Adv cyber lab-3.docx
ADVANCE CYBER SECURITY ASSIGNMENT.docx
ADVANCE CYBER SECURITY LAB.docx
cyber2.pdf
DAA LAB 1.docx
DAA LAB-3.pdf
DAA LAB-4.pdf
desktop.ini
examlink.txt
Inter certificates.pdf
ITC Ass.pdf
ITC lab2.txt
kali-linux-2020.4-vbox-amd64.ova
lab_6_2.py
lab_6_3.py
lab_6_4.py
lab_6_5.py
matlab ITC 1.txt
Nmap - Zenmap GUI.lnk
OPTIMIZATION TECHNIQUES LAB.pdf
pythontext.txt
SECURE CODING LAB - 3.pdf
secure coding lab-2.pdf
SECURE CODING LAB-4.pdf
SECURE CODING LAB-5.pdf
SECURE CODING LAB.docx
SECURE CODING LAB1.pdf

```

7. Write a python script which creates four new files in the current directory using powershell.

```

PS C:\Users\Gurram Sindhu> cd F:\securelab
PS F:\securelab> python
Python 3.9.2 (tags/v3.9.2:1a79785, Feb 19 2021, 13:44:55) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import os
>>> path = os.getcwd()
>>> for x in range(1,5):
...     with open(path+"\{}.txt".format(x), "w") as f:
...         f.write("\n this my files ")
...
>>>

```

Clipboard					
Organize					
New					
Open					
Select					
> This PC > New Volume (F:) > securelab					
Name					
Date modified					
Type					
Size					
task1					
14-03-2021 11:39					
File folder					
I1					
14-03-2021 13:04					
Text Document					
0 KB					
I2					
14-03-2021 13:04					
Text Document					
0 KB					
I3					
14-03-2021 13:05					
Text Document					
0 KB					
I4					
14-03-2021 13:05					
Text Document					
0 KB					