

LAB-2

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Course :- Secure Coding

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Question 1:

Silent installation of a software using msixec command in cmd

```
C:\Users\chait\OneDrive\Desktop>cd secure_coding  
C:\Users\chait\OneDrive\Desktop\secure_coding>msiexec.exe /i "C:/Users/chait/OneDrive/Desktop/secure_coding/putty-64bit-0.70-installer.msi" /quiet /qn /norestart
```

Question 2:

Who has the highest privilege in an OS?

The **SYSTEM** has the highest privilege. There are some tasks where the user cannot end and when the user tries to end the task a dialogue box appears stating that “Access Denied” showing that there is a higher privileged entity which is the **SYSTEM**.

Question 3:

Find the details of the current user

```
c:\>whoami  
saibharath\chait
```

Question 4:

In what form is our folders organized and of which type?

The folders are arranged in the form of **tree** data structure and their type is **hierarchical**.

```
C:\Users\chait>tree C:/Users/chait/Onedrive/Desktop
Folder PATH listing
Volume serial number is 9889-ABE7
C:\USERS\CHAIT\ONEDRIVE\DESKTOP
├── build
│   ├── calc
│   └── HelloWorld
├── dist
│   ├── calc
│   │   ├── include
│   │   ├── tcl
│   │   │   ├── encoding
│   │   │   ├── http1.8
│   │   │   ├── msgm
│   │   │   ├── opt8.4
│   │   │   └── tzdata
│   │   │       ├── Africa
│   │   │       ├── America
│   │   │       │   ├── Argentina
│   │   │       │   ├── Indiana
│   │   │       │   ├── Kentucky
│   │   │       │   └── North Dakota
│   │   │       ├── Antarctica
│   │   │       ├── Arctic
│   │   │       ├── Asia
│   │   │       ├── Atlantic
│   │   │       ├── Australia
│   │   │       ├── Brazil
│   │   │       ├── Canada
│   │   │       ├── Chile
│   │   │       ├── Etc
│   │   │       ├── Europe
│   │   │       ├── Indian
│   │   │       ├── Mexico
│   │   │       ├── Pacific
│   │   │       ├── SystemV
│   │   │       └── US
│   │   ├── tcl8
│   │   │   ├── 8.4
│   │   │   ├── platform
│   │   │   ├── 8.5
│   │   │   └── 8.6
│   │   └── tk
│   │       ├── images
│   │       ├── msgm
│   │       └── ttk
│   └── HelloWorld
│       ├── include
│       ├── tcl
│       │   ├── encoding
│       │   └── http1.8
```

Question 5:

Find the privilege of the user

```
C:\Users\chait>net user

User accounts for \\SAIBHARATH

-----
Administrator          chait          DefaultAccount
gsaib                   Guest          WDAGUtilityAccount
The command completed successfully.
```

Question 6:

Write down the executable formats in Windows and Linux

The executable formats are .exe, .deb, .sh, .msi, .jar, .bat, .bin, .dll


Question 7:

Usage of “assoc” command.

To find out all file types of a location using assoc command

```
C:\Users\chait>assoc
.001=WinRAR
.386=vxdfile
.3g2=FreemakeVideoConverter.3g2
.3ga=VLC.3ga
.3gp=FreemakeVideoConverter.3gp
.3gp2=FreemakeVideoConverter.3gp2
.3gpp=FreemakeVideoConverter.3gpp
.669=VLC.669
.7z=WinRAR
.a52=VLC.a52
.AAC=WMP11.AssocFile.ADTS
.accountpicture-ms=accountpicturefile
.ace=WinRAR
.acl=ACLFile
.ADT=WMP11.AssocFile.ADTS
.ADTS=WMP11.AssocFile.ADTS
.aif=VLC.aif
.aifc=VLC.aifc
.aiff=VLC.aiff
.ani=anifile
.aob=VLC.aob
.ape=VLC.ape
.appcontent-ms=ApplicationContent
.application=Application.Manifest
.appref-ms=Application.Reference
.arj=WinRAR
.asa=aspfile
.asf=FreemakeVideoConverter.asf
.asp=aspfile
.asx=VLC.asx
.au=VLC.au
.avi=FreemakeVideoConverter.avi
.aw=AWFile
.b4s=VLC.b4s
.bat=batfile
```

assoc>types.txt

 types - Notepad

File Edit Format View Help

```
.001=WinRAR
.386=vxdfile
.3g2=FreemakeVideoConverter.3g2
.3ga=VLC.3ga
.3gp=FreemakeVideoConverter.3gp
.3gp2=FreemakeVideoConverter.3gp2
.3gpp=FreemakeVideoConverter.3gpp
.669=VLC.669
.7z=WinRAR
.a52=VLC.a52
.AAC=WMP11.AssocFile.ADTS
.accountpicture-ms=accountpicturefile
.ace=WinRAR
.acl=ACLFile
.ADT=WMP11.AssocFile.ADTS
.ADTS=WMP11.AssocFile.ADTS
.aif=VLC.aif
.aifc=VLC.aifc
.aiff=VLC.aiff
.ani=anifile
.aob=VLC.aob
.ape=VLC.ape
.appcontent-ms=ApplicationContent
.application=Application.Manifest
.appref-ms=Application.Reference
.arj=WinRAR
.asa=aspfile
.asf=FreemakeVideoConverter.asf
.asp=aspfile
.asx=VLC.asx
.au=VLC.au
.avi=FreemakeVideoConverter.avi
.aw=AWFile
.b4s=VLC.b4s
.bat=batfile
.binder=Dropbox.Binder
```

Ipconfig>>netdata.txt

Windows IP Configuration

Ethernet adapter Ethernet:

Media State : Media disconnected
Connection-specific DNS Suffix . :

Unknown adapter Local Area Connection:

Connection-specific DNS Suffix . :
Link-local IPv6 Address : fe80::b551:b7e2:56aa:3412%17
IPv4 Address. : 100.127.255.249
Subnet Mask : 255.255.255.248
Default Gateway :

Unknown adapter Local Area Connection 2:

Media State : Media disconnected
Connection-specific DNS Suffix . :

Ethernet adapter Ethernet 2:

Connection-specific DNS Suffix . :
Link-local IPv6 Address : fe80::682c:2a90:1922:fd49%19
IPv4 Address. : 192.168.56.1
Subnet Mask : 255.255.255.0
Default Gateway :

Wireless LAN adapter Local Area Connection* 1:

Media State : Media disconnected
Connection-specific DNS Suffix . :

Wireless LAN adapter Local Area Connection* 2:

Pushd and Popd operations:

```
C:\Users\chait>pushd F:\ChaituBro  
F:\ChaituBro>popd F:\ChaituBro
```