

# Secure Coding CSE-2010

## Lab Assignment-2

**Name** : Nishit Verma

**Slot** : L23+24

**Reg.No** : 19BCN7050

**(Q)** Silently install a software using cmd.

```
C:\Users\NISHIT VERMA\Downloads>msiexec.exe /i "7z1900-x64.msi" /quiet /qn /norestart
```

**(Q)** Who has the highest privilege in a machine/OS ?

→For Windows the **SYSTEM** has the highest privilege.

**(Q)** What is the command to get current logged on user details ?

```
C:\Users\NISHIT VERMA>whoami  
laptop-gohhg8c5\nishit verma
```

**(Q)** How to find the privilege of the user ?

```
C:\Users\NISHIT VERMA>net user  
  
User accounts for \\LAPTOP-GOHHG8C5  
  
-----  
Administrator          DefaultAccount          Guest  
NISHIT VERMA            WDAGUtilityAccount  
The command completed successfully.
```

**(Q)** What is the structure of your file system ?

→ An hierarchical structure using tree.

**Ex :** (A tree structure of a folder with subfolders)

```
C:\Users\NISHIT VERMA\Documents\Folder1>tree
Folder PATH listing for volume Windows
Volume serial number is F01D-1899
C:.
├── Folder2
│   └── Folder3
│       └── Folder4
```

**(Q)** List down some executable formats in Linux and Windows.

→ .deb, .sh, .exe, .msi, .jar, .bat, .bin, .dll

**(Q)** How to print all the file formats available on a machine?

→ We can print all the file formats available on a machine using the command **assoc** .

**Ex :** (A few file formats out of the many printed)

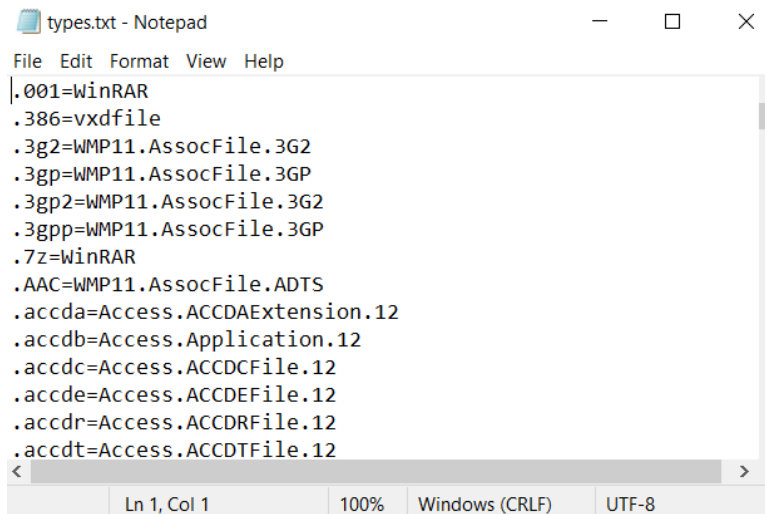
```
C:\Users\NISHIT VERMA>assoc
.001=WinRAR
.386=vxdfile
.3g2=WMP11.AssocFile.3G2
.3gp=WMP11.AssocFile.3GP
.3gp2=WMP11.AssocFile.3G2
.3gpp=WMP11.AssocFile.3GP
.7z=WinRAR
.AAC=WMP11.AssocFile.ADTS
.acdda=Access.ACDDAExtension.12
.acddb=Access.Application.12
.accdc=Access.ACDCFile.12
.accde=Access.ACCDEFile.12
.accdr=Access.ACCDRFile.12
.accdt=Access.ACCDTFile.12
.accdx=Access.WizardUserDataFile.12
.accountpicture-ms=accountpicturefile
.acl=ACLFile
.adf=Access.ADFFile.12
.adn=Access.BlankProjectTemplate.12
.adp=Access.Project.12
.ADT=WMP11.AssocFile.ADTS
.ADTS=WMP11.AssocFile.ADTS
```

(Q) How to reset the time in the system clock?

```
C:\Users\NISHIT VERMA>time
The current time is: 12:02:47.31
Enter the new time:
```

(Q) >,>>,<,<|

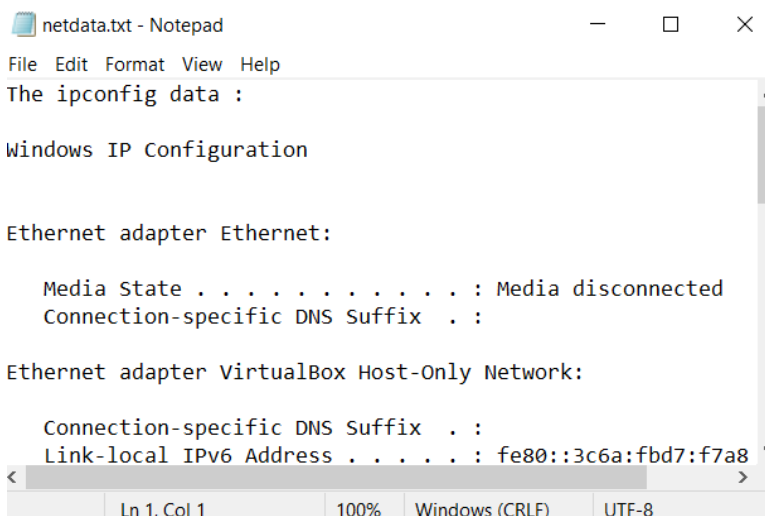
```
C:\Users\NISHIT VERMA>assoc>types.txt
```



A screenshot of a Notepad window titled 'types.txt - Notepad'. The window contains a list of file associations for various file extensions. The status bar at the bottom shows 'Ln 1, Col 1', '100%', 'Windows (CRLF)', and 'UTF-8'.

```
File Edit Format View Help
|.001=WinRAR
|.386=vxdfile
|.3g2=WMP11.AssocFile.3G2
|.3gp=WMP11.AssocFile.3GP
|.3gp2=WMP11.AssocFile.3G2
|.3gpp=WMP11.AssocFile.3GP
|.7z=WinRAR
|.AAC=WMP11.AssocFile.ADTS
|.accda=Access.ACCEAExtension.12
|.accdb=Access.Application.12
|.accdc=Access.ACCEDCFile.12
|.accde=Access.ACCEDEFile.12
|.accdx=Access.ACCEDXFile.12
|.accdt=Access.ACCEDTFile.12
```

```
C:\Users\NISHIT VERMA>ipconfig>>netdata.txt
```



A screenshot of a Notepad window titled 'netdata.txt - Notepad'. The window displays the output of the 'ipconfig /all' command. The status bar at the bottom shows 'Ln 1, Col 1', '100%', 'Windows (CRLF)', and 'UTF-8'.

```
File Edit Format View Help
The ipconfig data :

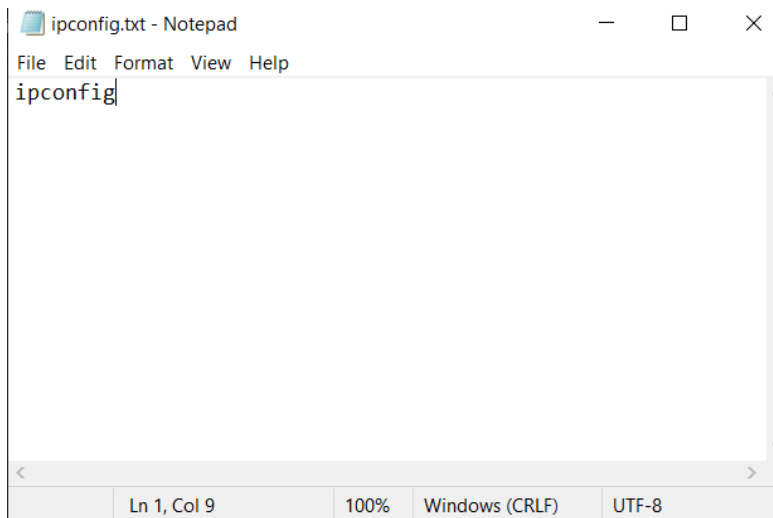
Windows IP Configuration

Ethernet adapter Ethernet:

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

Ethernet adapter VirtualBox Host-Only Network:

    Connection-specific DNS Suffix  . :
    Link-local IPv6 Address . . . . . : fe80::3c6a:fb7d:f7a8
```



```
C:\Users\NISHIT VERMA>sort<ipconfig.txt  
ipconfig
```

```
C:\Users\NISHIT VERMA>dir|sort
```

```

          10 File(s)          117,583 bytes
          38 Dir(s) 116,963,901,440 bytes free
Directory of C:\Users\NISHIT VERMA
Volume in drive C is Windows
Volume Serial Number is F01D-1899
02-02-2021  10:19    <DIR>          Desktop
04-02-2021  16:36    <DIR>          .VirtualBox
04-09-2019   00:46             420 This PC - Shortcut.lnk
05-02-2021  16:48             202 .packettracer
05-02-2021  16:49    <DIR>          Cisco Packet Tracer 7.3.1
05-12-2020  12:01    <DIR>          .ssh
06-02-2021  11:19    <DIR>          Documents
06-02-2021  11:30    <DIR>          Downloads
06-02-2021  12:04      14,035 types.txt
06-02-2021  12:07       1,389 netdata
06-02-2021  12:08       1,410 netdata.txt
06-02-2021  12:09          8 ipconfig.txt
06-02-2021  12:09    <DIR>          .
06-02-2021  12:09    <DIR>          ..
12-02-2020  16:21    <DIR>          .idlerc
12-02-2020  16:26    <DIR>          untitled
13-06-2020  19:49    <DIR>          AndroidStudioProjects
13-06-2020  19:50    <DIR>          .gradle
13-06-2020  19:51    <DIR>          .android
14-12-2019  11:43    <DIR>          .AndroidStudio3.5
14-12-2019  11:57    <DIR>          .vscode
15-02-2020  16:56          16 .emulator_console_auth_token
17-08-2020  23:40    <DIR>          3D Objects
17-08-2020  23:40    <DIR>          Contacts
17-08-2020  23:40    <DIR>          Favorites
17-08-2020  23:40    <DIR>          Links
17-08-2020  23:40    <DIR>          Music
17-08-2020  23:40    <DIR>          Saved Games
17-08-2020  23:40    <DIR>          Searches
17-08-2020  23:40    <DIR>          Videos
17-10-2020  22:06    <DIR>          .GoPro
17-12-2020  22:35    <DIR>          OneDrive
21-01-2021   09:00    <DIR>          .p2
21-04-2020  21:53          0 code
21-04-2020  22:15    <DIR>          .config
22-10-2019  21:17    <DIR>          .tooling
22-10-2019  21:17    <DIR>          eclipse-workspace
25-09-2020  20:05    <DIR>          .eclipse
26-09-2020  21:34    <DIR>          .nbi
27-01-2021  20:09    <DIR>          Oracle
27-01-2021  20:23    <DIR>          VirtualBox VMs
27-06-2020  19:34    <DIR>          ansel
28-01-2021  16:08    <DIR>          Pictures
28-08-2019  10:33    <DIR>          source
30-10-2019  10:18    <DIR>          .dotnet
30-10-2019  10:46    <DIR>          .templateengine
31-08-2019  17:52          403 .bash_history
31-12-2020  15:57      99,700 battery-report.html
```

```
C:\Users\NISHIT VERMA>
```

**(Q)** Some basic cmd functions.

```
C:\Users\NISHIT VERMA>cd Downloads
C:\Users\NISHIT VERMA\Downloads>d:
D:\Secure Coding Lab>cd /d "C:\Users\Nishit Verma\Downloads"
C:\Users\NISHIT VERMA\Downloads>mkdir folder1
A subdirectory or file folder1 already exists.
C:\Users\NISHIT VERMA\Downloads>ren folder1 folder
C:\Users\NISHIT VERMA\Downloads>del folder
C:\Users\NISHIT VERMA\Downloads\folder\*, Are you sure (Y/N)? y
C:\Users\NISHIT VERMA\Downloads>
```

**(Q)** How to switch between absolute paths ?

**With cd :**

```
C:\Users\NISHIT VERMA\Downloads>cd /d D:\Secure Coding Lab
D:\Secure Coding Lab>cd /d "C:\Users\Nishit Verma\Downloads"
C:\Users\NISHIT VERMA\Downloads>
```

**Without cd:**

```
C:\Users\NISHIT VERMA\Downloads>pushd D:\Secure Coding Lab
D:\Secure Coding Lab>pushd "C:\Users\Nishit Verma\Downloads"
C:\Users\NISHIT VERMA\Downloads>popd D:\Secure Coding Lab
D:\Secure Coding Lab>popd "C:\Users\Nishit Verma\Downloads"
C:\Users\NISHIT VERMA\Downloads>_
```