

Secure Coding

Lab-2

Amritmoy Pain
18BCE7344

- Install a software silently.

```
C:\Windows\system32>msiexec.exe /i "C:\Users\Code_Baker\Downloads\Programs\7z1900-x64.msi" /l* "C:\log.txt" /qn/quiet
```

Log Details:

MSI (s) (C8:10) [11:48:44:203]: Product: 7-Zip 19.00 (x64 edition) -- Installation completed successfully.

MSI (s) (C8:10) [11:48:44:204]: Windows Installer installed the product. Product Name: 7-Zip 19.00 (x64 edition). Product Version: 19.00.00.0. Product Language: 1033. Manufacturer: Igor Pavlov. Installation success or error status: 0.

- Who has the highest privilege in OS?

System has the highest privilege in OS.

- What is the structure of your file system?

Hierarchical or tree structure.

- File types accepted by your os.

```
C:\Windows\system32>assoc
.001=WinRAR
.386=vxdfile
.3g2=WMP11.AssocFile.3G2
.3ga=VLC.3ga
.3gp=WMP11.AssocFile.3GP
.3gp2=WMP11.AssocFile.3G2
.3gpp=WMP11.AssocFile.3GP
.669=VLC.669
.7z=WinRAR
.a52=VLC.a52
.aac=WMP11.AssocFile.ADTS
.accountpicture-ms=accountpicturefile
.adt=WMP11.AssocFile.ADTS
.adts=WMP11.AssocFile.ADTS
.aif=VLC.aif
.aifc=VLC.aifc
.aiff=VLC.aiff
.amv=VLC.amv
.anl=anifile
.aob=VLC.aob
.ape=VLC.ape
.apk=BlueStacks.Apk
.appcontent-ms=ApplicationContent
.application=Application.Manifest
.archive-ms=Application.Reference
```

- Reset the time in system clock

```
C:\Windows\system32>time
The current time is: 12:40:10.79
Enter the new time:
```

- Redirection Operators

```
C:\>assoc>test.txt

C:\>ipconfig>>test.txt

C:\>sort<t.txt
A
agrgrg
ascdvdv
csadaca
fefew
saca

C:\>dir|sort

                5 File(s)            209,884 bytes
                11 Dir(s)  258,756,349,952 bytes free
Directory of C:\
Volume in drive C has no label.
Volume Serial Number is B85D-D907
08-01-2021  08:15    <DIR>          Program Files (x86)
12-01-2021  09:56             2,405 .log
14-07-2020  07:48    <DIR>          Users
14-07-2020  10:58    <DIR>          PerfLogs
14-10-2020  10:02    <DIR>          Intel
15-07-2020  19:09    <DIR>          temp
17-02-2021  11:39       179,644 msilog.txt
17-02-2021  11:48       18,772 log.txt
17-02-2021  11:48    <DIR>          Program Files
17-02-2021  12:45        9,023 test.txt
17-02-2021  12:46         40 t.txt
18-10-2020  11:24    <DIR>          Go
27-09-2020  14:27    <DIR>          Xiaomi
27-12-2020  20:02    <DIR>          Riot Games
29-07-2020  22:24    <DIR>          Games
30-01-2021  23:45    <DIR>          Windows
```

-

- Command Based on Directories

```
C:\Users\Code_Baker\Desktop>cd ..  
  
C:\Users\Code_Baker>cd "Desktop"  
  
C:\Users\Code_Baker\Desktop>D:  
  
D:\>cd /d "C:\Users\Code_Baker\Desktop"  
  
C:\Users\Code_Baker\Desktop>mkdir Folder1  
  
C:\Users\Code_Baker\Desktop>ren Folder1 Folder3  
  
C:\Users\Code_Baker\Desktop>copy Folder2 Folder3  
Folder2\New Text Document.txt  
1 file(s) copied.  
  
C:\Users\Code_Baker\Desktop>del Folder2  
C:\Users\Code_Baker\Desktop\Folder2\*, Are you sure (Y/N)? Y  
  
C:\Users\Code_Baker\Desktop>xcopy Folder2 Folder3  
0 File(s) copied  
  
C:\Users\Code_Baker\Desktop>rd Folder2  
The directory is not empty.
```

- Switching Between Absolute Paths

```
C:\Users\Code_Baker>pushd d:  
  
D:\>pushd "C:\Users\Code_Baker"  
  
C:\Users\Code_Baker>popd  
  
D:\>popd  
  
C:\Users\Code_Baker>popd  
  
C:\Users\Code_Baker>popd
```