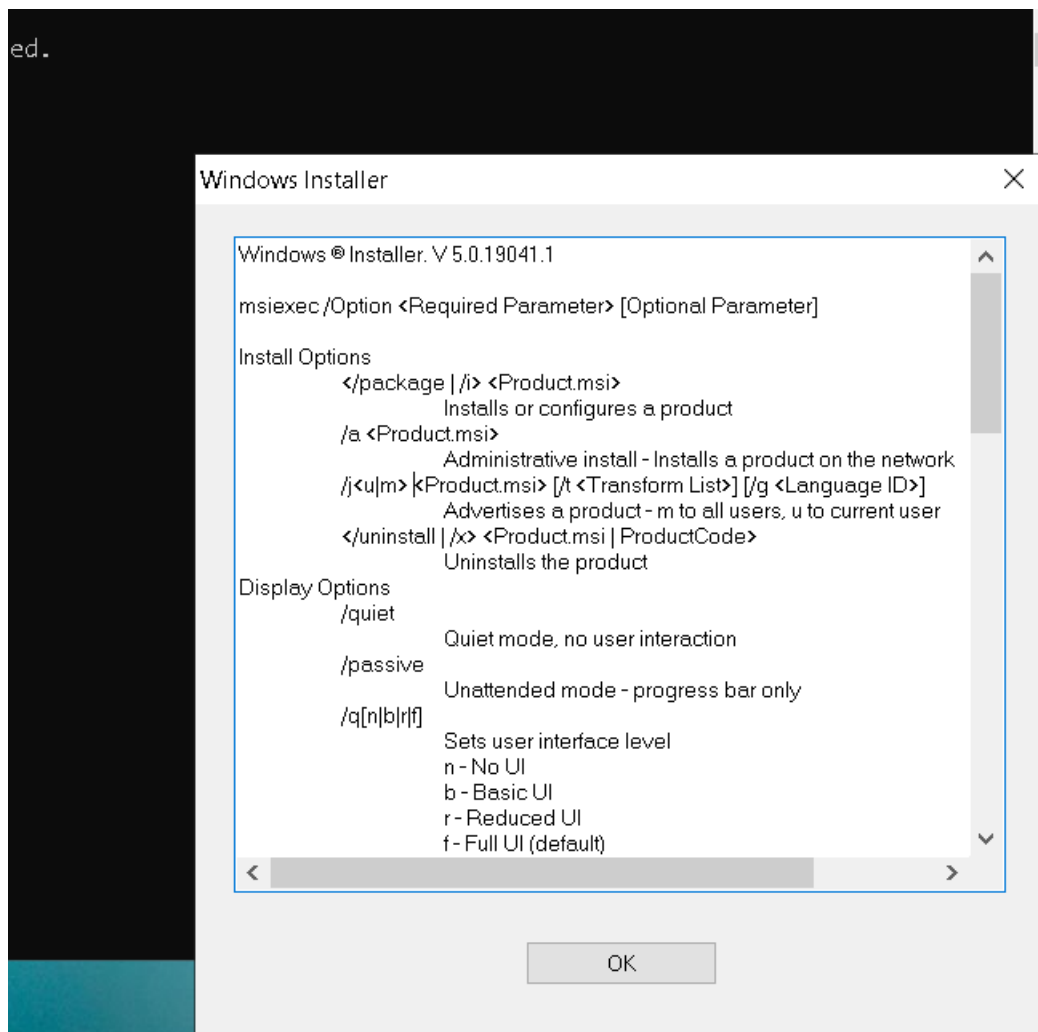


SECURE CODING LAB – 2

NAME : G SINDHU

REG NO. : 18BCN7098

Msiexec windows installer



Silent Execution using msiexec

```

C:\Users>cd C:\Users\Gurram Sindhu\Downloads

C:\Users\Gurram Sindhu\Downloads>dir *.exe
Volume in drive C is Windows
Volume Serial Number is 6E73-904C

Directory of C:\Users\Gurram Sindhu\Downloads

16-02-2021  21:21      940,548,560 android-studio-ide-201.6953283-windows.exe
09-02-2021  12:39      939,669,936 android-studio-ide-201.7042882-windows (1).exe
02-02-2021  17:16      939,669,936 android-studio-ide-201.7042882-windows.exe
21-02-2021  22:43         333,040 Firefox Installer.exe
16-02-2021  17:03         3,870,712 siinst.exe
19-02-2021  22:13         4,522,752 wps_office_inst.exe
             6 File(s)  2,828,614,936 bytes
             0 Dir(s)  99,028,824,064 bytes free

```

Netuser command

```

Command Prompt
Microsoft Windows [Version 10.0.19042.746]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Gurram Sindhu>net user

User accounts for \\LAPTOP-MGM7PHNE

-----
Administrator          DefaultAccount          Guest
Gurram Sindhu           WDAGUtilityAccount
The command completed successfully.

C:\Users\Gurram Sindhu>

```

Hierachical display folders

Tree

```

C:\Users\Gurram Sindhu>tree
Folder PATH listing for volume Windows
Volume serial number is 6E73-904C
C:..
|-- .android
|   |-- avd
|   |   |-- Nexus_5X_API_27.avd
|   |   |   |-- hardware-qemu.ini.lock
|   |   |   |-- snapshots
|   |   |   |   |-- default_boot
|   |   |-- Pixel_3a_API_30_x86.avd
|   |   |   |-- data
|   |   |   |   |-- misc
|   |   |   |   |   |-- pstore
|   |   |   |-- hardware-qemu.ini.lock
|   |   |   |-- snapshots
|   |   |   |   |-- default_boot
|   |-- breakpad
|   |-- cache
|   |-- studio
|   |   |-- installer
|-- .config
|   |-- jgit
|-- .eclipse
|   |-- .metadata
|   |   |-- .mylyn
|   |   |   |-- .taskListIndex
|   |   |   |-- contexts
|   |-- .plugins

```

List of file formats in assoc command

```

Microsoft Windows [Version 10.0.19042.746]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Gurram Sindhu>assoc
.386=vxdfile
.3g2=WMP11.AssocFile.3G2
.3ga=VLC.3ga
.3gp=WMP11.AssocFile.3GP
.3gp2=WMP11.AssocFile.3G2
.3gpp=WMP11.AssocFile.3GP
.5vw=wireshark-capture-file
.669=VLC.669
.a52=VLC.a52
.AAC=WMP11.AssocFile.ADTS
.acoda=Access.ACCDAExtension.14
.acodb=Access.Application.14
.accdc=Access.ACCDCFile.14
.acode=Access.ACCDEFile.14
.accdr=Access.ACCDRFile.14
.accdt=Access.ACCDTFile.14
.acodu=Access.WizardUserDataFile.14
.accdw=Access.WebApplicationReference.14
.accft=Access.ACCFTFile.14
.accountpicture-ms=accountpicturefile
.acl=ACLFile
.acp=wireshark-capture-file
.ade=Access.ADEFile.14
.adn=Access.BlankProjectTemplate.14
.adp=Access.Project.14
.ADT=WMP11.AssocFile.ADTS
.ADTS=WMP11.AssocFile.ADTS
.aif=VLC.aif
.aifc=VLC.aifc
.aiff=VLC.aiff
.amv=VLC.amv
.ani=anifile
.apc=wireshark-capture-file
.appcontent-ms=ApplicationContent
.application=Application.Manifest
.appref-ms=Application.Reference
.asa=aspfile
.asf=WMP11.AssocFile.ASF
.asp=aspfile
.asx=VLC.asx
.atc=wireshark-capture-file
.au=VLC.au
.avastconfig=avastconfigfile

```

Reset of time in system clock

Time command

```
Command Prompt - time
Microsoft Windows [Version 10.0.19042.746]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Gurram Sindhu>time
The current time is: 23:03:16.95
Enter the new time:
```

Redirection operators

List of directories in drive and stores as output

```
Microsoft Windows [Version 10.0.19042.746]
(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\Gurram Sindhu>D:

D:\>dir > dir.txt

D:\>type dir.txt
Volume in drive D is New Volume
Volume Serial Number is 3C69-FF33

Directory of D:\

21-02-2021  23:08                0 dir.txt
01-12-2020  20:15         <DIR>      java
13-08-2020  18:02         <DIR>      links
               1 File(s)              0 bytes
               2 Dir(s)  261,708,754,944 bytes free
```

```
Select Command Prompt

D:\>dir Adobestuff >> dir.txt

D:\>type dir.txt
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\

09-02-2021  18:06                401,408  17-Aug-2020%3fauthorizedID=18B
13-02-2021  12:12        <DIR>          Adobestuff
01-02-2021  15:38        <DIR>          Anime
28-01-2021  15:55        <DIR>          CollegeStuff
13-02-2021  12:18                0  dir.txt
16-11-2020  21:16        <DIR>          Exploited
21-01-2021  13:45        <DIR>          games
16-11-2020  20:14        <DIR>          git
05-11-2020  20:09        <DIR>          Godfather trilogy
29-11-2018  22:53       314,756  H_I_N_A_T_A-wallpa4.jpg
04-11-2020  10:16        <DIR>          Linuxfiles
03-11-2020  22:21        <DIR>          Movies
13-11-2020  12:34        <DIR>          MSI bios update
04-11-2020  04:04        <DIR>          music
09-01-2021  14:45        <DIR>          MyStuff
24-11-2020  09:26        <DIR>          Nonsense
05-11-2020  00:05        <DIR>          old documents
05-11-2020  00:03        <DIR>          old downloads
03-11-2020  22:45        <DIR>          Photos
16-12-2020  14:29        <DIR>          Program Files
07-02-2021  16:12        <DIR>          Program Files (x86)
02-02-2021  20:51        <DIR>          ProgramData
18-12-2020  20:03        <DIR>          Santhosh
13-02-2021  12:17       17,146  types.txt
13-12-2020  18:21        <DIR>          UTORRENT
10-11-2020  20:02        <DIR>          Wallpaper
04-11-2020  04:05        <DIR>          wallpaper rajiv
04-11-2020  00:02        <DIR>          zz pendrive
               4 File(s)          733,310 bytes
               24 Dir(s) 167,948,308,480 bytes free
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff
```

>>operator

Output of a command and appends to end of an existing file content stored already.

```
D:\>dir | sort

                1 File(s)                509 bytes
                2 Dir(s) 261,708,754,944 bytes free
Directory of D:\
Volume in drive D is New Volume
Volume Serial Number is 3C69-FF33
01-12-2020  20:15    <DIR>        java
13-08-2020  18:02    <DIR>        links
21-02-2021  23:11                509 dir.txt
```

<operator

Takes input from command from a file

```
Directory of D:\
Volume in drive D is Data
Volume Serial Number is A266-8A3F
01-02-2021  15:38    <DIR>        Anime
02-02-2021  20:51    <DIR>        ProgramData
03-11-2020  22:21    <DIR>        Movies
03-11-2020  22:45    <DIR>        Photos
04-11-2020  00:02    <DIR>        zz pendrive
04-11-2020  04:04    <DIR>        music
04-11-2020  04:05    <DIR>        wallpaper rajiv
04-11-2020  10:16    <DIR>        Linuxfiles
05-11-2020  00:03    <DIR>        old downloads
05-11-2020  00:05    <DIR>        old documents
05-11-2020  20:09    <DIR>        Godfather trilogy
07-02-2021  16:12    <DIR>        Program Files (x86)
09-01-2021  14:45    <DIR>        MyStuff
09-02-2021  18:06    401,408 17-Aug-2020%3fauthorized
10-11-2020  20:02    <DIR>        Wallpaper
13-02-2021  12:12    <DIR>        Adobestuff
13-02-2021  12:17    17,146 types.txt
13-02-2021  12:24    2,375 dir.txt
13-11-2020  12:34    <DIR>        MSI bios update
13-12-2020  18:21    <DIR>        UTORRENT
16-11-2020  20:14    <DIR>        git
16-11-2020  21:16    <DIR>        Exploited
16-12-2020  14:29    <DIR>        Program Files
18-12-2020  20:03    <DIR>        Santhosh
21-01-2021  13:45    <DIR>        games
24-11-2020  09:26    <DIR>        Nonsense
28-01-2021  15:55    <DIR>        CollegeStuff
29-11-2018  22:53    314,756 H_I_N_A_T_A-wallpa4.jpg
```

Takes output as input command for another

```
D:\>dir | sort

                4 File(s)                735,685 bytes
                24 Dir(s) 167,948,308,480 bytes free
Directory of D:\
Volume in drive D is Data
Volume Serial Number is A266-8A3F
01-02-2021  15:38    <DIR>        Anime
02-02-2021  20:51    <DIR>        ProgramData
03-11-2020  22:21    <DIR>        Movies
03-11-2020  22:45    <DIR>        Photos
04-11-2020  00:02    <DIR>        zz pendrive
04-11-2020  04:04    <DIR>        music
04-11-2020  04:05    <DIR>        wallpaper rajiv
04-11-2020  10:16    <DIR>        Linuxfiles
05-11-2020  00:03    <DIR>        old downloads
05-11-2020  00:05    <DIR>        old documents
05-11-2020  20:09    <DIR>        Godfather trilogy
07-02-2021  16:12    <DIR>        Program Files (x86)
09-01-2021  14:45    <DIR>        MyStuff
09-02-2021  18:06    401,408 17-Aug-2020%3fauthorized
10-11-2020  20:02    <DIR>        Wallpaper
13-02-2021  12:12    <DIR>        Adobestuff
13-02-2021  12:17    17,146 types.txt
13-02-2021  12:24    2,375 dir.txt
13-11-2020  12:34    <DIR>        MSI bios update
13-12-2020  18:21    <DIR>        UTORRENT
16-11-2020  20:14    <DIR>        git
16-11-2020  21:16    <DIR>        Exploited
16-12-2020  14:29    <DIR>        Program Files
18-12-2020  20:03    <DIR>        Santhosh
21-01-2021  13:45    <DIR>        games
24-11-2020  09:26    <DIR>        Nonsense
28-01-2021  15:55    <DIR>        CollegeStuff
29-11-2018  22:53    314,756 H_I_N_A_T_A-wallpa4.jpg
```

Directory commands

Dir and copy commands

```
cmd Command Prompt
D:\Adobestuff>dir
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff

01-02-2021 17:41 <DIR>      .
01-02-2021 17:41 <DIR>      ..
02-02-2021 14:57 <DIR>      Bunny
06-11-2020 20:11 <DIR>      Chou
01-02-2021 17:38 <DIR>      Ling Street punk
03-11-2020 22:06 <DIR>      Memory
03-11-2020 22:06 <DIR>      Thatha avva anniversary
07-10-2020 07:48      16,251,737 Untitled-1.ai
20-10-2020 12:11      4,699,282 vjs.ai
06-09-2020 13:50      1,846,363 Zeni2.ai
06-09-2020 13:24      673,147 zenit sqatch.ai
05-09-2020 12:03      1,764,943 Zenitsu.ai
12-09-2020 12:25      3,490,134 zenps.psd
               6 File(s)      28,725,606 bytes
               7 Dir(s)  167,196,233,728 bytes free

D:\Adobestuff>copy Bunny\Bunny.ai .
1 file(s) copied.

D:\Adobestuff>dir
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff

13-02-2021 12:07 <DIR>      .
13-02-2021 12:07 <DIR>      ..
02-02-2021 14:57 <DIR>      Bunny
02-02-2021 14:57      2,118,178 Bunny.ai
06-11-2020 20:11 <DIR>      Chou
01-02-2021 17:38 <DIR>      Ling Street punk
03-11-2020 22:06 <DIR>      Memory
03-11-2020 22:06 <DIR>      Thatha avva anniversary
07-10-2020 07:48      16,251,737 Untitled-1.ai
20-10-2020 12:11      4,699,282 vjs.ai
06-09-2020 13:50      1,846,363 Zeni2.ai
06-09-2020 13:24      673,147 zenit sqatch.ai
05-09-2020 12:03      1,764,943 Zenitsu.ai
12-09-2020 12:25      3,490,134 zenps.psd
               7 File(s)      30,843,784 bytes
               7 Dir(s)  167,194,112,000 bytes free
```

Del command

```
cmd Command Prompt
1 file(s) copied.

D:\Adobestuff>dir
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff

13-02-2021 12:07 <DIR>      .
13-02-2021 12:07 <DIR>      ..
02-02-2021 14:57 <DIR>      Bunny
02-02-2021 14:57      2,118,178 Bunny.ai
06-11-2020 20:11 <DIR>      Chou
01-02-2021 17:38 <DIR>      Ling Street punk
03-11-2020 22:06 <DIR>      Memory
03-11-2020 22:06 <DIR>      Thatha avva anniversary
07-10-2020 07:48      16,251,737 Untitled-1.ai
20-10-2020 12:11      4,699,282 vjs.ai
06-09-2020 13:50      1,846,363 Zeni2.ai
06-09-2020 13:24      673,147 zenit sqatch.ai
05-09-2020 12:03      1,764,943 Zenitsu.ai
12-09-2020 12:25      3,490,134 zenps.psd
               7 File(s)      30,843,784 bytes
               7 Dir(s)  167,194,112,000 bytes free

D:\Adobestuff>del Bunny.ai

D:\Adobestuff>dir
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff

13-02-2021 12:08 <DIR>      .
13-02-2021 12:08 <DIR>      ..
02-02-2021 14:57 <DIR>      Bunny
06-11-2020 20:11 <DIR>      Chou
01-02-2021 17:38 <DIR>      Ling Street punk
03-11-2020 22:06 <DIR>      Memory
03-11-2020 22:06 <DIR>      Thatha avva anniversary
07-10-2020 07:48      16,251,737 Untitled-1.ai
20-10-2020 12:11      4,699,282 vjs.ai
06-09-2020 13:50      1,846,363 Zeni2.ai
06-09-2020 13:24      673,147 zenit sqatch.ai
```

Xcopy command

```
Command Prompt
12-09-2020 12:25 3,490,134 zenps.psd
7 File(s) 30,843,784 bytes
7 Dir(s) 167,194,112,000 bytes free

D:\Adobestuff>del Bunny.ai

D:\Adobestuff>dir
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff

13-02-2021 12:08 <DIR> .
13-02-2021 12:08 <DIR> ..
02-02-2021 14:57 <DIR> Bunny
06-11-2020 20:11 <DIR> Chou
01-02-2021 17:38 <DIR> Ling Street punk
03-11-2020 22:06 <DIR> Memory
03-11-2020 22:06 <DIR> Thatha avva anniversary
07-10-2020 07:48 16,251,737 Untitled-1.ai
20-10-2020 12:11 4,699,282 vjs.ai
06-09-2020 13:50 1,846,363 Zeni2.ai
06-09-2020 13:24 673,147 zenit sqatch.ai
05-09-2020 12:03 1,764,943 Zenitsu.ai
12-09-2020 12:25 3,490,134 zenps.psd
6 File(s) 28,725,606 bytes
7 Dir(s) 167,196,233,728 bytes free

D:\Adobestuff>xcopy Bunny Chou
Bunny\Bunny.ai
1 File(s) copied

D:\Adobestuff>dir chou
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff\chou

13-02-2021 12:09 <DIR> .
13-02-2021 12:09 <DIR> ..
06-11-2020 20:11 4,351,837 Ballistic.ai
02-02-2021 14:57 2,118,178 Bunny.ai
21-10-2020 11:55 1,649,122 chou-lori-skin-mobile-l
21-10-2020 12:15 1,643,063 Go ballistic.png
21-10-2020 11:53 78,078 maxresdefault.jpg
21-10-2020 11:56 100,943 wp5230278-chou-king-mua
6 File(s) 9,941,221 bytes
2 Dir(s) 167,194,112,000 bytes free
```

Rd command

```
D:\>cd Adobestuff

D:\Adobestuff>dir
Volume in drive D is Data
Volume Serial Number is A266-8A3F

Directory of D:\Adobestuff

13-02-2021 12:08 <DIR> .
13-02-2021 12:08 <DIR> ..
02-02-2021 14:57 <DIR> Bunny
13-02-2021 12:09 <DIR> Chou
01-02-2021 17:38 <DIR> Ling Street punk
03-11-2020 22:06 <DIR> Memory
03-11-2020 22:06 <DIR> Thatha avva anniversary
07-10-2020 07:48 16,251,737 Untitled-1.ai
20-10-2020 12:11 4,699,282 vjs.ai
06-09-2020 13:50 1,846,363 Zeni2.ai
06-09-2020 13:24 673,147 zenit sqatch.ai
05-09-2020 12:03 1,764,943 Zenitsu.ai
12-09-2020 12:25 3,490,134 zenps.psd
6 File(s) 28,725,606 bytes
7 Dir(s) 167,194,112,000 bytes free

D:\Adobestuff>rd "Thatha avva anniversary"
The directory is not empty.

D:\Adobestuff>del "Thatha avva anniversary\"
D:\Adobestuff\Thatha avva anniversary\*. Are you sure (Y/N)? y

D:\Adobestuff>rd "Thatha avva anniversary"
The directory is not empty.

D:\Adobestuff>rd /a "Memory"
Invalid switch - "a".

D:\Adobestuff>rd Memory
The directory is not empty.

D:\Adobestuff>rd /s Memory
Memory, Are you sure (Y/N)? y
```