

SECURE CODING CSE2010

K Roma Pai -18BCE7165

Command Line Instructions

QUESTION

Installing an executable via the command prompt

CODE

```
msiexec.exe /i "7z1900-x64.msi" /qn /norestart
```

OUTPUT

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

QUESTION

Knowing the type of executables and file name extensions associated with your system

CODE

```
assoc
```

OUTPUT

```

C:\Users\romap>assoc
.386=vxdfile
.3g2=WMP11.AssocFile.3G2
.3gp=WMP11.AssocFile.3GP
.3gp2=WMP11.AssocFile.3G2
.3gpp=WMP11.AssocFile.3GP
.AAC=WMP11.AssocFile.ADTS
.accountpicture-ms=accountpicturefile
.ADT=WMP11.AssocFile.ADTS
.ADTS=WMP11.AssocFile.ADTS
.aif=WMP11.AssocFile.AIFF
.aifc=WMP11.AssocFile.AIFF
.aiff=WMP11.AssocFile.AIFF
.ani=anifile
.appcontent-ms=ApplicationContent
.application=Application.Manifest
.appref-ms=Application.Reference
.asa=aspfile
.asf=WMP11.AssocFile.ASF
.asp=aspfile
.asx=WMP11.AssocFile.ASX
.au=WMP11.AssocFile.AU
.avi=WMP11.AssocFile.AVI
.bat=batfile
.blg=Diagnostic.Perfmon.Document
.bmp=Paint.Picture
.cab=CABFolder
.camp=campfile
.cat=CATFile
.cda=WMP11.AssocFile.CDA
.cdmp=cdmpfile
.cdx=aspfile
.cdxml=Microsoft.PowerShellCmdletDefinitionXML.1
.cer=CERFile

```

QUESTION

Redirection Operators

CODE

`assoc >types.txt` → *> operator sends the output of the command to the file*
`ipconfig >> netdata.txt` → *>> operator appends the output to the end of file, not overwrites like the above command*
`sort < cmd.txt` → *< reads input from a file*
`dir|sort` → *| pipeline operator*

OUTPUT

```

C:\Users\romap\Documents\02_06-Lab2>assoc >types.txt

C:\Users\romap\Documents\02_06-Lab2>ipconfig >> netdata.txt

C:\Users\romap\Documents\02_06-Lab2>sort < data.txt
The system cannot find the file specified.

C:\Users\romap\Documents\02_06-Lab2>sort < data.txt
The system cannot find the file specified.

C:\Users\romap\Documents\02_06-Lab2>sort < cmd.txt
echo "hi"

C:\Users\romap\Documents\02_06-Lab2>dir|sort

                2 Dir(s)  908,075,814,912 bytes free
                3 File(s)        6,875 bytes
Directory of C:\Users\romap\Documents\02_06-Lab2
Volume in drive C is Windows
Volume Serial Number is 36A3-5FA6
06-02-2021  11:37                1,150 netdata.txt
06-02-2021  11:37                5,716 types.txt
06-02-2021  11:38                 9 cmd.txt
06-02-2021  11:38      <DIR>          .
06-02-2021  11:38      <DIR>          ..

```

QUESTION

Basic directory operations

CODE

```

md newFolder → make a new directory
cd ./newfolder → change to other directory
ren newfolder newname → rename the directory
copy "file.txt" "filecopy.txt" → copy the file in the same directory
del "filecopy.txt" → delete a file
copy newname copynewname → copy a directory
xcopy newname copynewname/ → copy the directory with files inside it
rd emptydit → deleting empty directory

```

OUTPUT

```

C:\Users\romap\Documents\02_06-Lab2>md newFolder

C:\Users\romap\Documents\02_06-Lab2>cd ./newfolder

C:\Users\romap\Documents\02_06-Lab2\newFolder>ren newName
The syntax of the command is incorrect.

C:\Users\romap\Documents\02_06-Lab2\newFolder>ren newfolder newname
The system cannot find the file specified.

C:\Users\romap\Documents\02_06-Lab2\newFolder>cd ..

C:\Users\romap\Documents\02_06-Lab2>ren newfolder newname

C:\Users\romap\Documents\02_06-Lab2>cd newname

C:\Users\romap\Documents\02_06-Lab2\newname>md file.txt

C:\Users\romap\Documents\02_06-Lab2\newname>echo.> "File.txt"

C:\Users\romap\Documents\02_06-Lab2\newname>dir
Volume in drive C is Windows
Volume Serial Number is 36A3-5FA6

Directory of C:\Users\romap\Documents\02_06-Lab2\newname

06-02-2021  11:47    <DIR>          .
06-02-2021  11:47    <DIR>          ..
06-02-2021  11:47                2 File.txt
                1 File(s)                2 bytes
                2 Dir(s)  908,075,778,048 bytes free

C:\Users\romap\Documents\02_06-Lab2\newname>copy "file.txt" "filecopy.txt"
1 file(s) copied.

C:\Users\romap\Documents\02_06-Lab2\newname>del "filecopy.txt"

```

```

C:\Users\romap\Documents\02_06-Lab2>copy newname copynewname
newname\File.txt
1 file(s) copied.

C:\Users\romap\Documents\02_06-Lab2>copy ./newname ./copynewname
The syntax of the command is incorrect.

C:\Users\romap\Documents\02_06-Lab2>copy newname copynewname/
The syntax of the command is incorrect.

C:\Users\romap\Documents\02_06-Lab2>xcopy newname copynewname/
Does copynewname/ specify a file name
or directory name on the target
(F = file, D = directory)? d
newname\File.txt
1 File(s) copied

C:\Users\romap\Documents\02_06-Lab2>rd copynewname
The directory is not empty.

C:\Users\romap\Documents\02_06-Lab2>md emptydit

C:\Users\romap\Documents\02_06-Lab2>rd emptydit

```

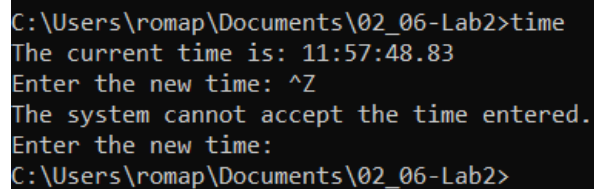
QUESTION

Change the time from command prompt without requiring admin permissions

CODE

```
time
```

OUTPUT



```
C:\Users\romap\Documents\02_06-Lab2>time
The current time is: 11:57:48.83
Enter the new time: ^Z
The system cannot accept the time entered.
Enter the new time:
C:\Users\romap\Documents\02_06-Lab2>
```

QUESTION

Change the directory to another drive without the 'cd' command

CODE

```
pushd "newname"
popd
```

OUTPUT

```

C:\Users\romap\Documents\02_06-Lab2>pushd /newname
The syntax of the command is incorrect.

C:\Users\romap\Documents\02_06-Lab2>pushd ./newname
The syntax of the command is incorrect.

C:\Users\romap\Documents\02_06-Lab2>pushd "newname"

C:\Users\romap\Documents\02_06-Lab2\newname>pushd "downloads"
The system cannot find the path specified.

C:\Users\romap\Documents\02_06-Lab2\newname>popd

C:\Users\romap\Documents\02_06-Lab2>popd

C:\Users\romap\Documents\02_06-Lab2>pushd "D:/"

D:\>pushd "c:/users/downloads"
The system cannot find the path specified.

D:\>pushd "c:/users/romep/downloads"
The system cannot find the path specified.

D:\>pushd "C:/Users/Romap/Downloads"

C:\Users\romap\Downloads>popd

D:\>popd

C:\Users\romap\Documents\02_06-Lab2>cd ..

```

QUESTION

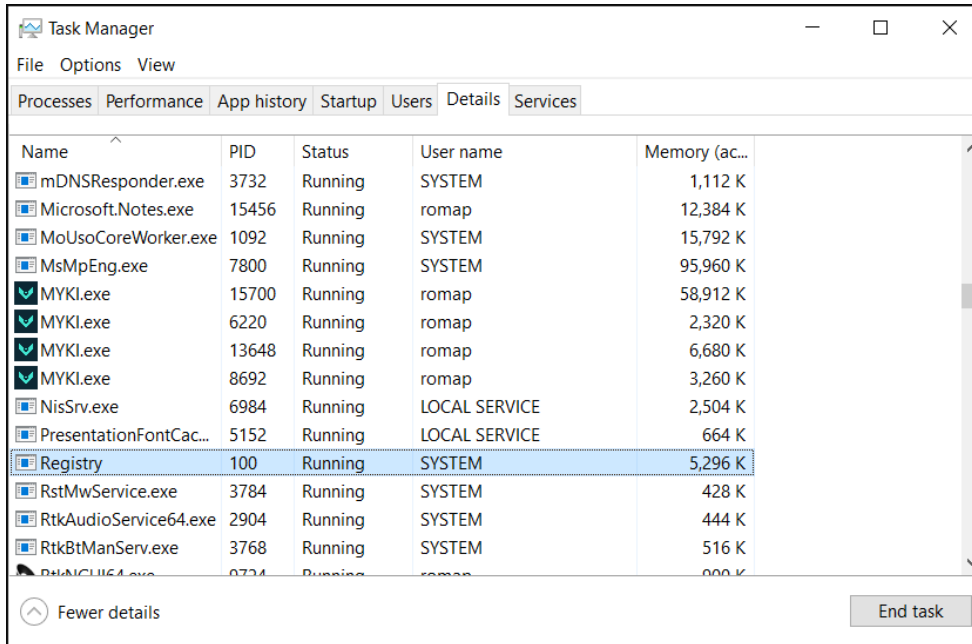
Knowing more about registry.exe in windows

INFERENCES

When a new program is installed, a new set of instructions and file references may be added to the registry in a specific location for the program, and others that may interact with it, to refer to for more information like where the files are located, which options to use in the program, etc.

The highest level of authorization is "SYSTEM", hence even the administrator cannot access/ delete the process.

OUTPUT



Unable to terminate process



The operation could not be completed.

Access is denied.

OK

K Roma Pai
18BCE7165
06|02|2021