

SECURE CODING LAB ASSIGNMENT-2

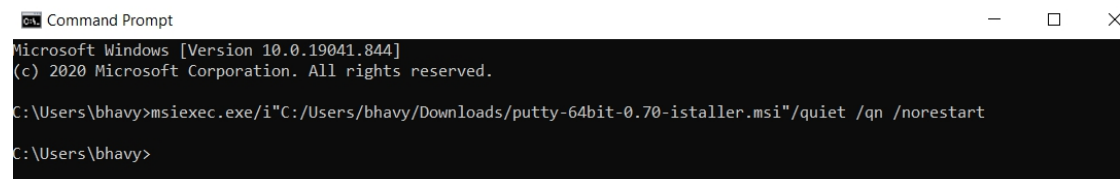
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DATE:06-02-2021

Question 1:

Silent installation of a software using msixec command in cmd



```
Command Prompt
Microsoft Windows [Version 10.0.19041.844]
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C:\Users\bhavy>msixec.exe/i"C:/Users/bhavy/Downloads/putty-64bit-0.70-istaller.msi"/quiet /qn /norestart

C:\Users\bhavy>
```

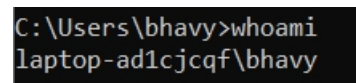
Question 2:

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:\Users\bhavy>whoami
laptop-ad1cjcqf\bhavy
```

Question 4:

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

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

```
C:\Users\bhavy>tree
Folder PATH listing for volume Acer
Volume serial number is 2456-55D0
C:..
|_ .config
|   |_ jgit
|_ .eclipse
|   |_ org.eclipse.oomph.jreinfo
|   |_ org.eclipse.oomph.p2
|       |_ cache
|   |_ org.eclipse.oomph.setup
|       |_ cache
|       |_ setups
|   |_ org.eclipse.oomph.setup.installer
|   |_ org.eclipse.tips.state
|       |_ org.eclipse.tips.ide.state
|_ n2
```

Question 5:

Find the privilege of the user

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

User accounts for \\LAPTOP-AD1CJCQF

-----
Administrator          bhavy                  DefaultAccount
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.

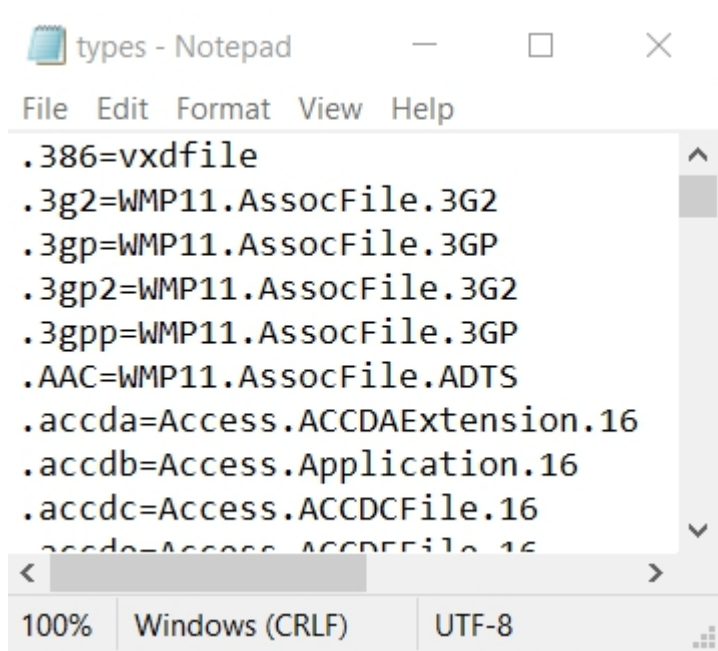
To find out all file types of a location using assoc

```
C:\Users\bhavy>assoc
.386=vxdfile
.3g2=WMP11.AssocFile.3G2
.3gp=WMP11.AssocFile.3GP
.3gp2=WMP11.AssocFile.3G2
.3gpp=WMP11.AssocFile.3GP
.AAC=WMP11.AssocFile.ADTS
.accda=Access.ACCEAExtension.16
.acddb=Access.Application.16
.accdc=Access.ACCECFile.16
.accde=Access.ACCEFile.16
.accdr=Access.ACCEFile.16
.accdt=Access.ACCEFile.16
.accdw=Access.WizardUserDataFile.16
.accdw=Access.WebApplicationReference.16
.accft=Access.ACCEFile.16
.accountpicture-ms=accountpicturefile
.acl=ACLFile
.ade=Access.ADEFile.16
.adn=Access.BlankProjectTemplate.16
.adp=Access.Project.16
.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
.aw=AWFile
.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
```

```
.cdxml=Microsoft.PowerShellCmdletDefinitionXML.1
.cer=CERFile
.chk=chkfile
.chm=chm.file
.cmd=cmdfile
.com=comfile
.compositefont=Windows.CompositeFont
.cpl=cplfile
.crl=CRLFile
.crt=CERFile
.crtx=CRTXFile
.css=CSSfile
.csv=Excel.CSV
.cur=curfile
.db=dbfile
.dctx=IMEDictionaryCompiler
.dctxc=IMEDictionaryCompiler
.dds=ddsfile
.der=CERFile
.desklink=CLSID\{9E56BE61-C50F-11CF-9A2C-00A0C90A90CE}
.deskthemepack=desktopthemepackfile
.det=Outlook.File.det.15
.diagcab=Diagnostic.Cabinet
.diagcfg=Diagnostic.Config
.diagpkg=Diagnostic.Document
.dib=Paint.Picture
.dll=dllfile
.doc=Word.Document.8
.dohtml=wordhtmlfile
.docm=Word.DocumentMacroEnabled.12
.docmhtml=wordmhtmlfile
.docx=Word.Document.12
.docxml=wordxmlfile
.dot=Word.Template.8
.dohtml=wordhtmltemplate
.dotm=Word.TemplateMacroEnabled.12
.dotx=Word.Template.12
.dqy=dqyfile
.drv=drvfile
.dsn=MSDASQL
.elm=ELMFile
.emf=emffile
.eml=Outlook.File.eml.15
.evt=evtfile
.evtx=evtxfile
.exe=exefile
.fdm=Outlook.File.fdm.15
.flac=WMP11.AssocFile.FLAC
.fon=fonfile
```

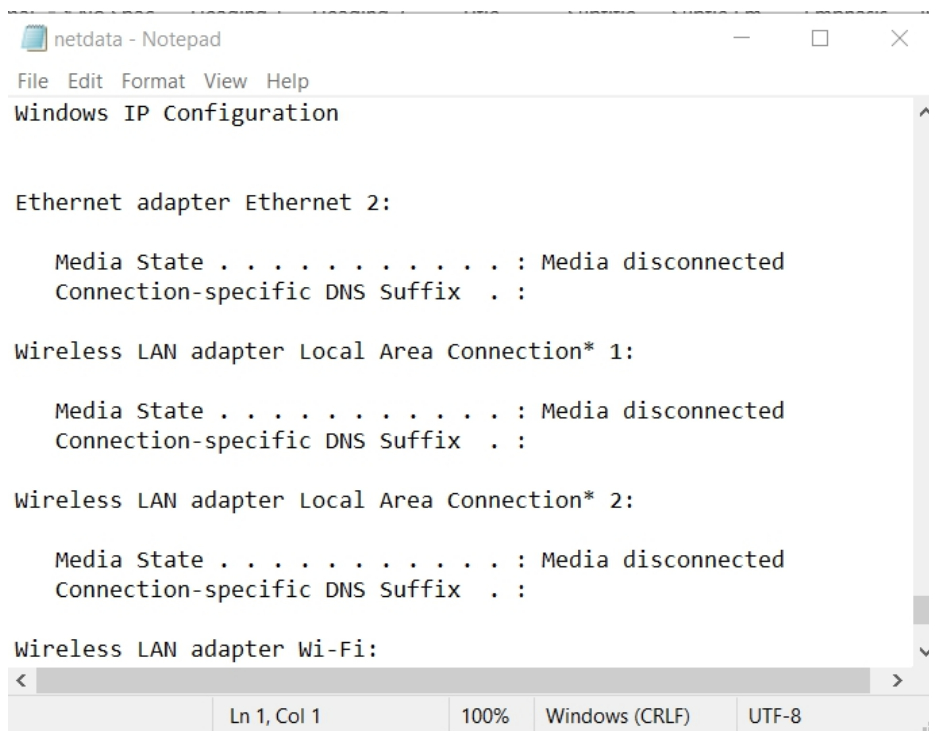
```
.wma=WMP11.AssocFile.WMA
.WMD=WMP11.AssocFile.WMD
.wmdb=WMP.WMDBFile
.wmf=wmffile
.WMS=WMP11.AssocFile.WMS
.wmv=WMP11.AssocFile.WMV
.wmx=WMP11.AssocFile.ASX
.wmz=WMP11.AssocFile.WMZ
.wpl=WMP11.AssocFile.WPL
.wsc=scriptletfile
.WSF=WSFFile
.WSH=WSHFile
.wtx=txtfile
.wvx=WMP11.AssocFile.WVX
.xaml=Windows.XamlDocument
.xbap=Windows.Xbap
.xevgenxml=XEV.GenericApp
.xht=xhtmlfile
.xhtml=xhtmlfile
.xla=Excel.Addin
.xlam=Excel.AddInMacroEnabled
.xld=Excel.Dialog
.xlk=Excel.Backup
.xll=Excel.XLL
.xlm=Excel.Macrosheet
.xls=Excel.Sheet.8
.xlsb=Excel.SheetBinaryMacroEnabled.12
.xlshtml=Excelhtmlfile
.xlsm=Excel.SheetMacroEnabled.12
.xlsmhtml=excelmhtmlfile
.xlsx=Excel.Sheet.12
.xlt=Excel.Template.8
.xlthtml=Excelhtmltemplate
.xltm=Excel.TemplateMacroEnabled
.xltx=Excel.Template
.xlw=Excel.Workspace
.xlsxml=Excelxmlss
.xml=xmlfile
.xrm-ms=MSSpplLicenseFile
.xsl=xslfile
.ZFSendToTarget=CLSID\{888DCA60-FC0A-11CF-8F0F-00C04FD7D062}
.zip=CompressedFolder
```

Other commands using >, >>, <
assoc>types.txt



```
types - Notepad
File Edit Format View Help
.386=vxdfile
.3g2=WMP11.AssocFile.3G2
.3gp=WMP11.AssocFile.3GP
.3gp2=WMP11.AssocFile.3G2
.3gpp=WMP11.AssocFile.3GP
.AAC=WMP11.AssocFile.ADTS
.accda=Access.ACCEAExtension.16
.accdb=Access.Application.16
.accdc=Access.ACCEAFile.16
.acced=Access.ACCEAFile.16
100% Windows (CRLF) UTF-8
```

Ipconfig>>netdata.txt



```
netdata - Notepad
File Edit Format View Help
Windows IP Configuration

Ethernet adapter Ethernet 2:

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

Wireless LAN adapter Local Area Connection* 1:

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

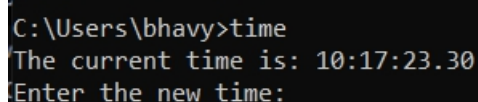
Wireless LAN adapter Local Area Connection* 2:

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

Wireless LAN adapter Wi-Fi:

Ln 1, Col 1 100% Windows (CRLF) UTF-8
```

Reset and enter new time:



```
C:\Users\bhavy>time
The current time is: 10:17:23.30
Enter the new time:
```

Pushd and Popd operations:

These operations are used for file switching by moving forward or backward. The above two operations remove the need of “cd”

```
C:\Users\bhavy>pushd C:\Users\bhavy\Downloads
C:\Users\bhavy\Downloads>popd C:\Users\bhavy
C:\Users\bhavy>
```

With cd:

```
C:\Users\bhavy>pushd C:\Users\bhavy\Downloads
C:\Users\bhavy\Downloads>popd C:\Users\bhavy
C:\Users\bhavy>cd/d C:\Users\bhavy\Downloads
C:\Users\bhavy\Downloads>cd /d C:\Users\bhavy
C:\Users\bhavy>
```