

NAME : C NAVEEN

REG : 19BCE7028

LAB EXPERIMENT-3

QUESTION 1:

Command to find browser installation location

```
C:\Windows\system32>where /R C:\ *.exe |findstr firefox.exe
C:\Program Files (x86)\Mozilla Firefox\Firefox.exe

C:\Windows\system32>where /R C:\ *.exe |findstr chrome.exe
C:\Program Files (x86)\Google\Chrome\Application\chrome.exe
```

QUESTION 2:Check Scheduled tasks using schtasks

```
C:\Windows\system32>schtasks

Folder: \
TaskName          Next Run Time      Status
=====
GoogleUpdateTaskMachineCore    2/13/2021 2:31:18 PM  Ready
GoogleUpdateTaskMachineUA     2/13/2021 12:31:18 PM  Ready
JavaUpdateSched              N/A                  Ready
MicrosoftEdgeUpdateTaskMachineCore 2/14/2021 9:18:29 AM  Ready
MicrosoftEdgeUpdateTaskMachineUA   2/13/2021 12:48:29 PM  Ready
OneDrive Standalone Update Task-S-1-5-21 2/14/2021 10:29:15 AM Ready

Folder: \Microsoft
TaskName          Next Run Time      Status
=====
INFO: There are no scheduled tasks presently available at your access level.

Folder: \Microsoft\Office
TaskName          Next Run Time      Status
=====
Office 15 Subscription Heartbeat  2/14/2021 5:49:57 AM  Ready
OfficeTelemetryAgentFallBack    N/A                  Ready
OfficeTelemetryAgentLogOn       N/A                  Ready

Folder: \Microsoft\OneCore
TaskName          Next Run Time      Status
=====
INFO: There are no scheduled tasks presently available at your access level.

Folder: \Microsoft\Windows
TaskName          Next Run Time      Status
=====
INFO: There are no scheduled tasks presently available at your access level.
```

```
Folder: \Microsoft\Windows\.NET Framework
TaskName                      Next Run Time      Status
=====  =====  =====
.NET Framework NGEN v4.0.30319    N/A            Ready
.NET Framework NGEN v4.0.30319 64  N/A            Ready
.NET Framework NGEN v4.0.30319 64 Critical  N/A        Disabled
.NET Framework NGEN v4.0.30319 Critical  N/A        Disabled

Folder: \Microsoft\Windows\Active Directory Rights Management Services Client
TaskName                      Next Run Time      Status
=====  =====  =====
AD RMS Rights Policy Template Management N/A        Disabled
AD RMS Rights Policy Template Management N/A        Ready

Folder: \Microsoft\Windows\AppID
TaskName                      Next Run Time      Status
=====  =====  =====
EDP Policy Manager             N/A            Ready
PolicyConverter                N/A            Disabled
VerifiedPublisherCertStoreCheck N/A        Disabled

Folder: \Microsoft\Windows\Application Experience
TaskName                      Next Run Time      Status
=====  =====  =====
Microsoft Compatibility Appraiser 2/14/2021 3:17:10 AM Ready
ProgramDataUpdater              N/A            Ready
StartupAppTask                 N/A        Ready

Folder: \Microsoft\Windows\ApplicationData
TaskName                      Next Run Time      Status
=====  =====  =====
appuriverifierdaily            N/A            Ready
appuriverifierinstall          N/A            Ready
CleanupTemporaryState          N/A            Ready
DsSvcCleanup                   N/A        Ready
```

```
Folder: \Microsoft\Windows\AppxDeploymentClient
TaskName          Next Run Time      Status
=====
Pre-staged app cleanup        N/A           Disabled

Folder: \Microsoft\Windows\Autochk
TaskName          Next Run Time      Status
=====
Proxy            N/A           Ready

Folder: \Microsoft\Windows\BitLocker
TaskName          Next Run Time      Status
=====
BitLocker Encrypt All Drives    N/A           Ready
BitLocker MDM policy Refresh   N/A           Ready

Folder: \Microsoft\Windows\Bluetooth
TaskName          Next Run Time      Status
=====
UninstallDeviceTask        N/A           Ready

Folder: \Microsoft\Windows\BrokerInfrastructure
TaskName          Next Run Time      Status
=====
BgTaskRegistrationMaintenanceTask  N/A           Ready

Folder: \Microsoft\Windows\CertificateServicesClient
TaskName          Next Run Time      Status
=====
AikCertEnrollTask        N/A           Ready
CryptoPolicyTask        N/A           Ready
KeyPreGenTask          N/A           Ready
SystemTask             N/A           Ready
UserTask               N/A           Ready
UserTask-Roam          N/A           Ready
```

Folder: \Microsoft\Windows\Chkdsk		
TaskName	Next Run Time	Status
====	=====	=====
ProactiveScan	N/A	Ready
SyspartRepair	N/A	Ready
Folder: \Microsoft\Windows\Clip		
TaskName	Next Run Time	Status
====	=====	=====
License Validation	N/A	Disabled
Folder: \Microsoft\Windows\CloudExperienceHost		
TaskName	Next Run Time	Status
====	=====	=====
CreateObjectTask	N/A	Ready
Folder: \Microsoft\Windows\Customer Experience Improvement Program		
TaskName	Next Run Time	Status
====	=====	=====
Consolidator	2/13/2021 12:00:00 PM	Ready
UsbCeip	N/A	Ready
Folder: \Microsoft\Windows\Data Integrity Scan		
TaskName	Next Run Time	Status
====	=====	=====
Data Integrity Scan	2/19/2021 12:41:39 AM	Ready
Data Integrity Scan for Crash Recovery	N/A	Ready
Folder: \Microsoft\Windows\Defrag		
TaskName	Next Run Time	Status
====	=====	=====
ScheduledDefrag	N/A	Ready
Folder: \Microsoft\Windows\Device Information		
TaskName	Next Run Time	Status
====	=====	=====
Device	2/14/2021 4:15:46 AM	Ready

```

Folder: \Microsoft\Windows\DeviceDirectoryClient
TaskName           Next Run Time     Status
=====
HandleCommand      N/A             Ready
HandleWnsCommand   N/A             Ready
IntegrityCheck     N/A             Disabled
LocateCommandUserSession N/A          Ready
RegisterDeviceAccountChange N/A          Ready
RegisterDeviceLocationRightsChange N/A          Ready
RegisterDevicePeriodic24    2/13/2021 4:05:08 PM Ready
RegisterDevicePolicyChange  N/A             Ready
RegisterDeviceProtectionStateChanged N/A          Ready
RegisterDeviceSettingChange  N/A             Ready
RegisterDeviceWnsFallback   2/25/2021 11:13:01 AM Ready
RegisterUserDevice     N/A             Ready

Folder: \Microsoft\Windows\Diagnosis
TaskName           Next Run Time     Status
=====
RecommendedTroubleshootingScanner N/A          Ready
Scheduled          N/A             Ready

Folder: \Microsoft\Windows\DirectX
TaskName           Next Run Time     Status
=====
DirectXDatabaseUpdater N/A          Ready
DXGIAdapterCache   N/A             Ready

Folder: \Microsoft\Windows\DiskCleanup
TaskName           Next Run Time     Status
=====
SilentCleanup       N/A             Ready

Folder: \Microsoft\Windows\DiskDiagnostic
TaskName           Next Run Time     Status
=====
Microsoft-Windows-DiskDiagnosticDataColl N/A          Disabled
Microsoft-Windows-DiskDiagnosticResolver N/A          Disabled

```

QUESTION 3:

Basics

- Create a task name “Reg.no_Task1” to run on a specific time
- Change the time of the scheduled task
- Delete the scheduled task
- Schedule an another task to run only on Weekdays
- Schedule an another task to run only on Weekends

```
C:\Users\HP>schtasks /create /st 14:00 /tn "19BCN7227" /tr "c:runme.bat"
Invalid syntax. Mandatory option 'sc' is missing.
Type "CREATE /?" for usage.

C:\Users\HP>schtasks /create /st 14:00 /tn "19BCN7227" /tr "c:runme.bat" /sc daily
SUCCESS: The scheduled task "19BCN7227" has successfully been created.
```

```
C:\Users\HP>schtasks /change /tn "19BCN7227" /st 09:00
Please enter the run as password for HP:

WARNING: When the run-as password is empty, the scheduled task may not run because of the security policy.
SUCCESS: The parameters of scheduled task "19BCN7227" have been changed.

C:\Users\HP>schtasks /delete /tn "19BCN7227"
WARNING: Are you sure you want to remove the task "19BCN7227" (Y/N)? y
SUCCESS: The scheduled task "19BCN7227" was successfully deleted.

C:\Users\HP>schtasks /create /sc weekly /d mon,tue,wed,thu,fri /tn "19BCN7227_task2" /tr "c:runme.bat" /st 00:00
SUCCESS: The scheduled task "19BCN7227_task2" has successfully been created.

C:\Users\HP>schtasks /create /sc weekly /d sat,sun /tn "19BCN7227_task3" /tr "c:runme.bat" /st 00:00
SUCCESS: The scheduled task "19BCN7227_task3" has successfully been created.

C:\Users\HP>schtasks /delete /tn "19BCN7227_task2"
WARNING: Are you sure you want to remove the task "19BCN7227_task2" (Y/N)? y
SUCCESS: The scheduled task "19BCN7227_task2" was successfully deleted.

C:\Users\HP>schtasks /delete /tn "19BCN7227_task3"
WARNING: Are you sure you want to remove the task "19BCN7227_task3" (Y/N)? y
SUCCESS: The scheduled task "19BCN7227_task3" was successfully deleted.

C:\Users\HP>
```

QUESTION 4:

Find a command that searches for text string in a file or files

```
C:\Windows\system32>type "C:\Users\Lenovo\Desktop\Secure Coding.txt"
Secure coding is the practice of developing computer software in a way that guards against the accidental introduction of security vulnerabilities.
Defects, bugs and logic flaws are consistently the primary cause of commonly exploited software vulnerabilities.
Through the analysis of thousands of reported vulnerabilities, security professionals have discovered that most vulnerabilities stem
from a relatively small number of common software programming errors. By identifying the insecure coding practices that lead to
these errors and educating developers on secure alternatives, organizations can take proactive steps to help significantly reduce or eliminate
vulnerabilities in software before deployment.

C:\Windows\system32>findstr /N /C:"vulnerabilities" "C:\Users\Lenovo\Desktop\Secure Coding.txt"
1:Secure coding is the practice of developing computer software in a way that guards against the accidental introduction of security vulnerabilities.
2:Defects, bugs and logic flaws are consistently the primary cause of commonly exploited software vulnerabilities.
3:Through the analysis of thousands of reported vulnerabilities, security professionals have discovered that most vulnerabilities stem
6:vulnerabilities in software before deployment.

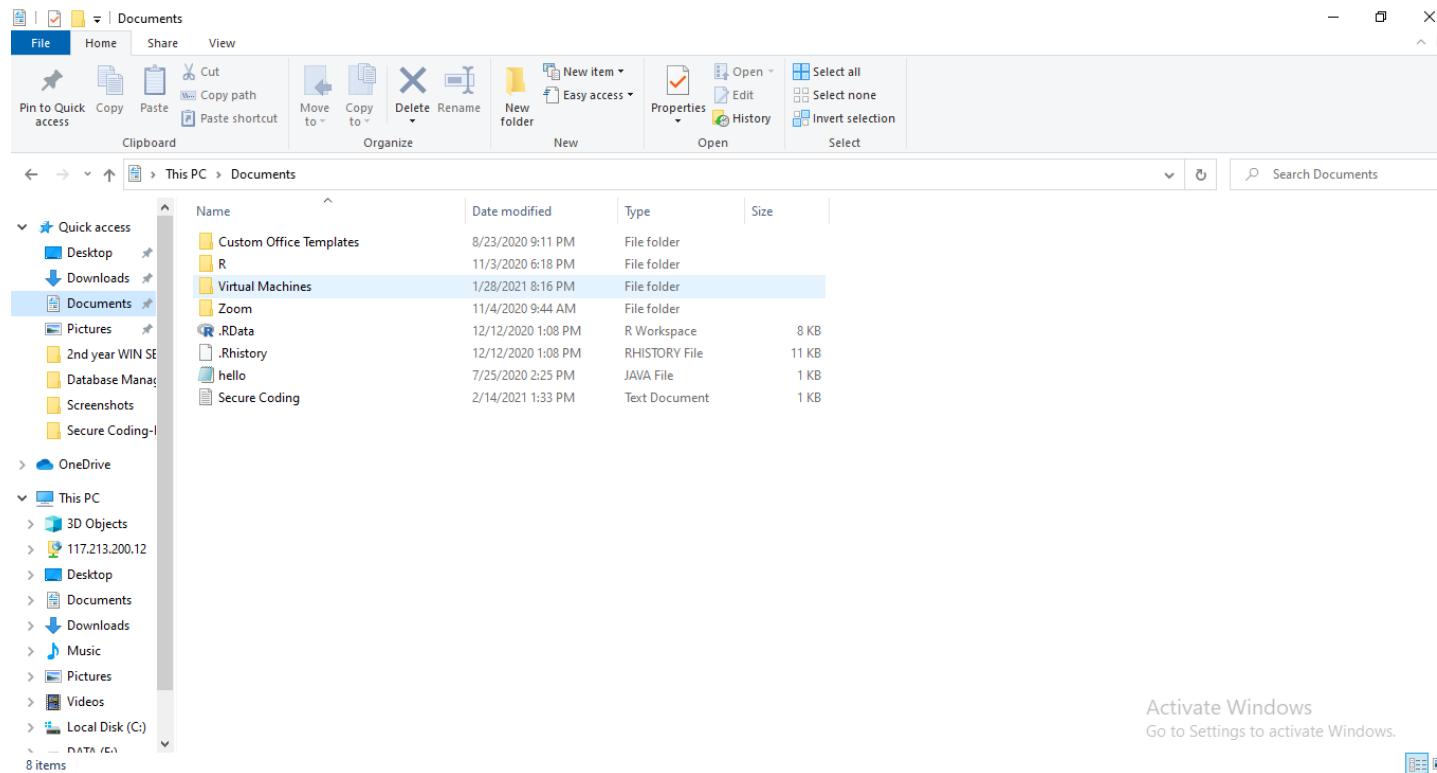
C:\Windows\system32>
```

QUESTION 5:

Classwork

- Write a file replication code to copy the same file for 50 times on the same directory.

File before replication: File name-(Secure Coding.txt)



File Replication:

Code-

```
for /l %A in (1,1,50) do copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-%A.txt"
```

```
C:\Windows\system32>for /l %A in (1,1,50) do copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-%A.txt"
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-1.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-2.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-3.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-4.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-5.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-6.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-7.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-8.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-9.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-10.txt"
1 file(s) copied.
C:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-11.txt"
```

Activate W
Go to Settings

```

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-41.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-42.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-43.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-44.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-45.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-46.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-47.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-48.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-49.txt"
1 file(s) copied.

c:\Windows\system32>copy "C:\Users\Lenovo\Documents\Secure Coding.txt" "C:\Users\Lenovo\Documents\Secure Coding-50.txt"
1 file(s) copied.

c:\Windows\system32>

```

File Replication Output:

The screenshot shows a Windows File Explorer window with the following details:

- File Explorer View:** The window title is "Documents". The ribbon tabs are "File", "Home", "Share", and "View". The "File" tab is selected.
- Toolbar:** Includes standard icons for Pin to Quick access, Copy, Paste, Cut, Copy path, Move to, Copy to, Delete, Rename, New folder, New item, Open, Properties, Select all, Select none, History, Invert selection, and Select.
- Address Bar:** Shows the path "This PC > Documents".
- Search Bar:** "Search Documents" with a magnifying glass icon.
- Left Navigation:** A sidebar with a tree view of the file structure. It includes sections for "Quick access", "Desktop", "Downloads", "Documents" (which is expanded to show "2nd year WIN SE", "Database Management", "Screenshots", and "Secure Coding-1"), "OneDrive", "This PC", "3D Objects", "117.213.200.12", "Desktop", "Documents" (expanded to show "Secure Coding-1" through "Secure Coding-16"), "Downloads", "Music", "Pictures", "Videos", and "Local Disk (C:)".
- Content Area:** A table listing 16 files under the "Documents" section. The columns are "Name", "Date modified", "Type", and "Size". The files are:

Name	Date modified	Type	Size
Custom Office templates	8/23/2020 9:11 PM	File folder	
R	11/3/2020 6:18 PM	File folder	
Virtual Machines	1/28/2021 8:16 PM	File folder	
Zoom	11/4/2020 9:44 AM	File folder	
.RData	12/12/2020 1:08 PM	R Workspace	8 KB
.RHistory	12/12/2020 1:08 PM	RHISTORY File	11 KB
hello	7/25/2020 2:25 PM	JAVA File	1 KB
Secure Coding	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-1	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-2	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-3	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-4	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-5	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-6	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-7	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-8	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-9	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-10	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-11	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-12	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-13	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-14	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-15	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-16	2/14/2021 1:33 PM	Text Document	1 KB
- Bottom Status Bar:** "Activate Windows" and "Go to Settings to activate Windows."

Documents

File Home Share View

Pin to Quick access Copy Paste Cut Copy path Move to Copy to Delete Rename New item New folder New Open Properties Select all

Clipboard Organize New Open Invert selection Select

← → ↑ ↓ This PC > Documents Search Documents

Name Date modified Type Size

Name	Date modified	Type	Size
Secure Coding-27	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-28	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-29	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-30	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-31	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-32	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-33	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-34	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-35	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-36	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-37	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-38	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-39	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-40	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-41	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-42	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-43	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-44	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-45	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-46	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-47	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-48	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-49	2/14/2021 1:33 PM	Text Document	1 KB
Secure Coding-50	2/14/2021 1:33 PM	Text Document	1 KB

Activate Windows
Go to Settings to activate Windows.

58 items