

# CSE 2010 || Secure Coding

WIN 20-21

## Lab: 3

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### Tasks:

1. Find command searches for a text string in a file or files.
2. Experiment - File Replication.
3. Write a file replication code to copy the same file for 50 times on the same directory.
4. Check the scheduled task using schtasks
5. 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

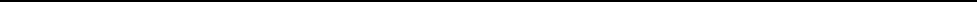
### Task 1.

Examples:

```
WHERE /?
WHERE myfilename1 myfile????.*
WHERE $windir:*.
WHERE /R c:\windows *.exe *.dll *.bat
WHERE /Q ????.???
WHERE "c:\windows;c:\windows\system32:*.dll"
WHERE /F /T *.dll
```

```
C:\Users\rbchs>where /R C:\ *.exe | findstr chrome
C:\Program Files\Google\Chrome\Application\chrome.exe
C:\Program Files\Google\Chrome\Application\chrome_proxy.exe
C:\Program Files\Google\Chrome\Application\88.0.4324.150\chrome_pwa_launcher.exe
C:\Program Files (x86)\Google\Update\Download\{8A69D345-D564-463C-AFF1-A69D9E530F96}\88.0.4324.150\88.0.4324.150_chrome_installer.exe
C:\Users\rbchs>
```

### Task 2.



```
Microsoft Windows [Version 10.0.18363.1379]
```

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```
C:\Users\rbchs>where /R C:\Users\rbchs\Desktop *.txt | findstr Test
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%1.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%10.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%11.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%12.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%13.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%14.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%15.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%16.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%17.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%18.txt
```

C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%19.txt

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%2.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%20.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%21.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%22.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%23.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%24.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test%25.txt
```

```
C:\Users\rhchs\Desktop\Secure Coding\Lab 3\Test%26.txt
```

```
C:\Users\rhchs\Desktop\Secure Coding\Lab 3\Test%27.txt
```

```
c:\p3e13\p3e13\desktop\secure coding\Lab 3\PC3C%27.txt
c:\p3e13\p3e13\desktop\secure coding\Lab 3\PC3C%27.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3\Test.txt
```

```
C:\Users\rbchs>cd desktop/secure coding/lab 3
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3>del Test*
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3>
```

### Task 3.

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3>for /L %i in (1,1,50) do copy Test.txt Test%i.txt
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3>copy Test.txt Test%1.txt
1 file(s) copied.
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3>copy Test.txt Test%2.txt
1 file(s) copied.
```

```
C:\Users\rbcbs\Desktop\Secure Coding\Lab 3>copy Test.txt Test%3.txt
1 file(s) copied.
```

```
C:\Users\rbcbs\Desktop\Secure Coding\Lab 3>copy Test.txt Test%4.txt
1 file(s) copied.
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3>copy Test.txt Test%5.txt
1 file(s) copied.
```

```
C:\Users\rchbs\Desktop\Secure Coding\Lab 3>copy Test.txt Test%6.txt
1 file(s) copied.
```

```
C:\Users\rbchs\Desktop\Secure Coding\Lab 3>copy Test.txt Test%7.txt
1 file(s) copied.
```

## Task 4.

```
C:\Users\rbchs>schtasks

Folder: \
TaskName                Next Run Time          Status
=====
Adobe Acrobat Update Task      13-02-2021  18:00:00    Ready
AdobeGCInvoker-1.0            14-02-2021  11:20:00    Ready
Bitdefender AgentTask_AD394AE64E874073B1  N/A                Running
CCleanerSkipUAC               N/A                Ready
Dell SupportAssistAgent AutoUpdate  17-02-2021  14:04:42    Ready
OneDrive Standalone Update Task-S-1-5-21  13-02-2021  17:18:02    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 Automatic Updates 2.0      14-02-2021  07:40:34    Ready
Office ClickToRun Service Monitor  14-02-2021  08:29:15    Ready
Office Feature Updates           13-02-2021  15:34:03    Ready
Office Feature Updates Logon      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
=====
```

## Task 5.

Create a task name "Reg.no\_Task1" to run on a specific time

```
C:\Users\rbchs>schtasks /Create /SC once /TN 19BCN7122_Task1 /TR c:\windows\system32\defrag.exe /ST 21:30:00
SUCCESS: The scheduled task "19BCN7122_Task1" has successfully been created.

C:\Users\rbchs>schtasks /delete /TN 19BCN7122_Task1
WARNING: Are you sure you want to remove the task "19BCN7122_Task1" (Y/N)? y
SUCCESS: The scheduled task "19BCN7122_Task1" was successfully deleted.
```

## Change the time of the scheduled task

```
C:\Users\rbchs>schtasks /Create /SC once /TN 19BCN7122_Task1 /TR c:\windows\system32\defrag.exe /ST 21:30:00
SUCCESS: The scheduled task "19BCN7122_Task1" has successfully been created.

C:\Users\rbchs>schtasks /change/TN 19BCN7122_Task1 /ST 21:35:00
ERROR: Invalid argument/option - '/change/TN'.
Type "SCHTASKS /QUERY /?" for usage.

C:\Users\rbchs>schtasks /change/TN 19BCN7122_Task1 /ST 21:35:00
ERROR: Invalid argument/option - '/change/TN'.
Type "SCHTASKS /QUERY /?" for usage.

C:\Users\rbchs>schtasks /change /TN 19BCN7122_Task1 /ST 21:35:00
Please enter the run as password for rbchs: ****

ERROR: The user name or password is incorrect.
```

## Delete the scheduled task

```
C:\Users\rbchs>schtasks /Create /SC once /TN 19BCN7122_Task1 /TR c:\windows\system32\defrag.exe /ST 21:30:00
SUCCESS: The scheduled task "19BCN7122_Task1" has successfully been created.

C:\Users\rbchs>schtasks /delete /TN 19BCN7122_Task1
WARNING: Are you sure you want to remove the task "19BCN7122_Task1" (Y/N)? y
SUCCESS: The scheduled task "19BCN7122_Task1" was successfully deleted.
```

## Schedule an another task to run only on Weekdays

```
C:\Users\rbchs>schtasks /Create /SC weekly /D MON,TUE,WED,THU,FRI /TN defrag /TR c:\windows\system32\defrag.exe /ST 10:00:00
SUCCESS: The scheduled task "defrag" has successfully been created.

C:\Users\rbchs>schtasks /delete /TN defrag
WARNING: Are you sure you want to remove the task "defrag" (Y/N)? Y
SUCCESS: The scheduled task "defrag" was successfully deleted.
```

## Schedule an another task to run only on Weekends

```
C:\Users\rbchs>schtasks /Create /SC weekly /D SAT /TN defrag /TR c:\windows\system32\defrag.exe /ST 10:00:00
SUCCESS: The scheduled task "defrag" has successfully been created.

C:\Users\rbchs>schtasks /delete /TN defrag
WARNING: Are you sure you want to remove the task "defrag" (Y/N)? y
SUCCESS: The scheduled task "defrag" was successfully deleted.
```