

**CSE 2010 SECURE CODING**

**LAB SLOT –L23+L24**

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**LAB EXPERIMENT 1**

**QUESTION:**

**Exercise**

- All the execution needs to be in cmd. No GUI.
- Note: Execution should be from any relative path
- Create 10 files (txt, docx or any) and sub folders using your roll number followed by SS and numbering.
- Try to delete all the files in 1 folder (last child)
- Try to delete all the files which are in docx type in 2<sup>nd</sup> folder (second folder from root)
- Try to delete all the files which are in docx type starting with SS in 3<sup>rd</sup> folder
- Try to delete all the files starting from SS11 to SS20 in the root folder

## OPENING DIRECTORY FOLDER WITH 3 FOLDERS

```
Command Prompt
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C:\Users\nithi>dir
 Volume in drive C is OS
 Volume Serial Number is 92F7-DAAD

 Directory of C:\Users\nithi

13-02-2021 12:12    <DIR>        .
13-02-2021 12:12    <DIR>        ..
23-11-2020 21:35    <DIR>        .android
12-02-2021 17:30    <DIR>        3D Objects
04-12-2020 16:44    <DIR>        Apple
12-02-2021 17:30    <DIR>        Contacts
13-02-2021 12:32    <DIR>        desktop
18-09-2020 22:00    <DIR>        Documents
13-02-2021 09:58    <DIR>        Downloads
12-02-2021 17:30    <DIR>        Favorites
12-02-2021 17:30    <DIR>        Links
12-02-2021 17:30    <DIR>        Music
13-02-2021 11:57    <DIR>        OneDrive
12-02-2021 17:30    <DIR>        Saved Games
12-02-2021 17:30    <DIR>        Searches
12-02-2021 17:30    <DIR>        Videos
               0 File(s)   0 bytes
               16 Dir(s)  379,189,043,200 bytes free

C:\Users\nithi>cd desktop

C:\Users\nithi\Desktop>mkdir root\sub1\sub2\sub3

C:\Users\nithi\Desktop>cd root
```

## AND CREATING ROOT NESTED CHILD

```
Command Prompt
C:\Users\nithi\Desktop\root>for %A in (1 2 3 4 5) do echo.>"19BCE7028SS%A.txt"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS1.txt"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS2.txt"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS3.txt"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS4.txt"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS5.txt"
C:\Users\nithi\Desktop\root>for %B in (6 7 8 9 10) do echo.>"19BCE7028SS%B.docx"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS6.docx"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS7.docx"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS8.docx"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS9.docx"
C:\Users\nithi\Desktop\root>echo.1>"19BCE7028SS10.docx"
```

## ADDING FILES TO ROOT FOLDER OF .txt and .docx FORMAT

**ADDING FILES TO CHILD FOLDER "SUB1 "OF ROOT FOLDER AND ALSO ADDING FILES STARTING WITH "SS"**

```
C:\Users\nithi\Desktop\root>cd sub1
C:\Users\nithi\Desktop\root\sub1>for %A in (11 12 13 14 15) do echo.>"19BCE7028SS%A.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS11.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS12.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS13.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS14.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS15.txt"
```

```
C:\Users\nithi\Desktop\root\sub1>for %A in (16 17 18 19 20) do echo.>"19BCE7028SS%A.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS16.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS17.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS18.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS19.txt"
C:\Users\nithi\Desktop\root\sub1>echo.1>"19BCE7028SS20.txt"
C:\Users\nithi\Desktop\root\sub1>for %A in (16 17 18 19 20) do echo.>"SS%A.docx"
C:\Users\nithi\Desktop\root\sub1>echo.1>"SS16.docx"
C:\Users\nithi\Desktop\root\sub1>echo.1>"SS17.docx"
C:\Users\nithi\Desktop\root\sub1>echo.1>"SS18.docx"
C:\Users\nithi\Desktop\root\sub1>echo.1>"SS19.docx"
C:\Users\nithi\Desktop\root\sub1>echo.1>"SS20.docx"
```

## **ADDING FILES TO CHILD FOLDER OF SUB1 WHICH IS "SUB2 "OF BOTH TXT AND DOCX FORMAT**

```
C:\Users\nithi\Desktop\root\sub1>cd sub2
C:\Users\nithi\Desktop\root\sub1\sub2>for %A in (21 22 23 24 25) do echo.>"19Bce7028SS%A.txt"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS21.txt"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS22.txt"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS23.txt"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS24.txt"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS25.txt"
C:\Users\nithi\Desktop\root\sub1\sub2>for %A in (26 27 28 29 30) do echo.>"19Bce7028SS%A.docx"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS26.docx"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS27.docx"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS28.docx"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS29.docx"
C:\Users\nithi\Desktop\root\sub1\sub2>echo.1>"19Bce7028SS30.docx"
```

## **ADDING FILES TO CHILD FOLDER OF SUB2 WHICH IS "SUB3 "WHICH HAS BOTH TXT AND DOCX FORMAT FILES**

```
C:\Users\nithi\Desktop\root\sub1\sub2>cd sub3
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>for %A in (31 32 33 34 35) do echo.>"19Bce7028SS%A.txt"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS31.txt"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS32.txt"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS33.txt"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS34.txt"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS35.txt"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>for %A in (36 37 38 39 40) do echo.>"19Bce7028SS%A.docx"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS36.docx"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS37.docx"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS38.docx"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS39.docx"
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>echo.1>"19Bce7028SS40.docx"
```

## **DELETING ALL FILES OF LAST CHILD FOLDER "SUB3 "AND DIRECTING TO PARENT**

**DIRECTORY OF SUB3 WHICH IS  
SUB2**

```
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>del /q/s +.* > NUL
```

```
C:\Users\nithi\Desktop\root\sub1\sub2\sub3>cd ..
```

## **DELETING ALL FILES OF DOCX FORMAT IN SUB2 AND DIRECTING TO PARENT FOLDER SUB1**

```
C:\Users\nithi\Desktop\root\sub1\sub2>del /S /Q /F C:\Users\nithi\Desktop\root\sub1\sub2\*.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\sub2\19Bce7028SS26.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\sub2\19Bce7028SS27.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\sub2\19Bce7028SS28.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\sub2\19Bce7028SS29.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\sub2\19Bce7028SS30.docx
C:\Users\nithi\Desktop\root\sub1\sub2>cd ..
```

## **DELETING ALL FILES HAVING "SS" AS ITS STARTING NAME IN SUB1 FOLDER AND DIRECTING LATER TO ROOT FOLDER**

```
C:\Users\nithi\Desktop\root\sub1\sub2>cd ..
C:\Users\nithi\Desktop\root\sub1>del /S /Q /F C:\Users\nithi\Desktop\root\sub1\*ss*.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\SS16.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\SS17.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\SS18.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\SS19.docx
Deleted file - C:\Users\nithi\Desktop\root\sub1\SS20.docx
C:\Users\nithi\Desktop\root\sub1>cd..
```

```
C:\Users\nithi\Desktop\root>for %A in (11 12 13 14 15) do echo.>"SS%A.docx"
C:\Users\nithi\Desktop\root>echo.1>"SS11.docx"
C:\Users\nithi\Desktop\root>echo.1>"SS12.docx"
C:\Users\nithi\Desktop\root>echo.1>"SS13.docx"
C:\Users\nithi\Desktop\root>echo.1>"SS14.docx"
C:\Users\nithi\Desktop\root>echo.1>"SS15.docx"
```

## ADDING FILES SS11 TO SS20 TO ROOT FOLDER

```
C:\Users\nithi\Desktop\root>for %A in (16 17 18 19 20) do echo.>"SS%A.txt"
C:\Users\nithi\Desktop\root>echo.1>"SS16.txt"
C:\Users\nithi\Desktop\root>echo.1>"SS17.txt"
C:\Users\nithi\Desktop\root>echo.1>"SS18.txt"
C:\Users\nithi\Desktop\root>echo.1>"SS19.txt"
C:\Users\nithi\Desktop\root>echo.1>"SS20.txt"
```

```
C:\Users\nithi\Desktop\root>for %A in (11 12 13 14 15 16 17 18 19 20) do del "SS%A"
C:\Users\nithi\Desktop\root>del "SS11"
C:\Users\nithi\Desktop\root>del "SS12"
C:\Users\nithi\Desktop\root>del "SS13"
C:\Users\nithi\Desktop\root>del "SS14"
C:\Users\nithi\Desktop\root>del "SS15"
C:\Users\nithi\Desktop\root>del "SS16"
C:\Users\nithi\Desktop\root>del "SS17"
C:\Users\nithi\Desktop\root>del "SS18"
C:\Users\nithi\Desktop\root>del "SS19"
C:\Users\nithi\Desktop\root>del "SS20"
C:\Users\nithi\Desktop\root>=
```

## DELETING ALL FILES STARTING FROM SS11 TO SS20 IN ROOT FOLDER