

CSE 2010 SECURE CODING
LAB SLOT –L23+L24
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REGISTRATION NUMBER-19BCN7114
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 2nd folder (second folder from root)
- Try to delete all the files which are in docx type starting with SS in 3rd folder
- Try to delete all the files starting from SS11 to SS20 in the root folder

OPENING DIRECTORY AND CREATING ROOT FOLDER WITH 3 NESTED CHILD FOLDERS

Command Prompt

```
Microsoft Windows [Version 10.0.18363.1316]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Lenovo>dir
Volume in drive C has no label.
Volume Serial Number is E416-CA74

Directory of C:\Users\Lenovo

01/28/2021  04:50 PM  <DIR>          .
01/28/2021  04:50 PM  <DIR>          ..
07/25/2020  11:26 PM  <DIR>          .config
07/25/2020  11:27 PM  <DIR>          .eclipse
12/15/2020  07:28 PM  <DIR>          .p2
07/25/2020  11:27 PM  <DIR>          .tooling
01/28/2021  07:48 PM  <DIR>          3D Objects
01/17/2021  07:16 PM  <DIR>          Contacts
01/30/2021  11:42 AM  <DIR>          Desktop
01/28/2021  08:16 PM  <DIR>          Documents
01/30/2021  12:42 PM  <DIR>          Downloads
07/25/2020  11:19 PM  <DIR>          eclipse
12/05/2020  06:12 PM  <DIR>          eclipse-workspace
01/17/2021  07:16 PM  <DIR>          Favorites
01/17/2021  07:16 PM  <DIR>          Links
01/17/2021  07:16 PM  <DIR>          Music
01/30/2021  08:57 AM  <DIR>          OneDrive
01/28/2021  04:51 PM  <DIR>          Oracle
01/17/2021  07:16 PM  <DIR>          Pictures
01/17/2021  07:16 PM  <DIR>          Saved Games
01/17/2021  07:16 PM  <DIR>          Searches
01/17/2021  07:16 PM  <DIR>          Videos
               0 File(s)              0 bytes
              22 Dir(s) 412,523,913,216 bytes free

C:\Users\Lenovo>cd desktop

C:\Users\Lenovo\Desktop>Mkdir root\sub1\sub2\sub3

C:\Users\Lenovo\Desktop>cd root

C:\Users\Lenovo\Desktop\root>for %A in (1 2 3 4 5) do echo.>"19BCN7114SS%A.txt"

C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS1.txt"
```

Command Prompt

```
C:\Users\Lenovo>cd desktop

C:\Users\Lenovo\Desktop>Mkdir root\sub1\sub2\sub3
```

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

```
C:\Users\Lenovo\Desktop>cd root
C:\Users\Lenovo\Desktop\root>for %A in (1 2 3 4 5) do echo.>"19BCN7114SS%A.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS1.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS2.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS3.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS4.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS5.txt"
C:\Users\Lenovo\Desktop\root>for %B in (6 7 8 9 10) do echo.>"19BCN7114SS%B.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS6.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS7.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS8.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS9.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"19BCN7114SS10.docx"
```

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

Command Prompt

```
C:\Users\Lenovo\Desktop\root>cd sub1

C:\Users\Lenovo\Desktop\root\sub1>for %A in (11 12 13 14 15) do echo.>"19BCN7114SS%A.txt"

C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS11.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS12.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS13.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS14.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS15.txt"

C:\Users\Lenovo\Desktop\root\sub1>for %A in (16 17 18 19 20) do echo.>"19BCN7114SS%A.txt"

C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS16.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS17.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS18.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS19.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"19BCN7114SS20.txt"

C:\Users\Lenovo\Desktop\root\sub1>for %A in (11 12 13 14 15) do echo.>"SS%A.txt"

C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS11.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS12.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS13.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS14.txt"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS15.txt"

C:\Users\Lenovo\Desktop\root\sub1>for %A in (16 17 18 19 20) do echo.>"SS%A.docx"

C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS16.docx"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS17.docx"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS18.docx"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS19.docx"
C:\Users\Lenovo\Desktop\root\sub1>echo.1>"SS20.docx"
```

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

```
Command Prompt
C:\Users\Lenovo\Desktop\root\sub1>cd sub2
C:\Users\Lenovo\Desktop\root\sub1\sub2>for %A in (21 22 23 24 25) do echo.>"19BCN711455%A.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145521.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145522.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145523.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145524.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145525.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2>for %A in (26 27 28 29 30) do echo.>"19BCN711455%A.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145526.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145527.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145528.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145529.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2>echo.1>"19BCN71145530.docx"
```


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

```
Command Prompt
C:\Users\Lenovo\Desktop\root\sub1\sub2>cd sub3
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>for %A in (31 32 33 34 35) do echo.>"19BCN711455%A.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145531.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145532.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145533.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145534.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145535.txt"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>for %A in (36 37 38 39 40) do echo.>"19BCN711455%A.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145536.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145537.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145538.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145539.docx"
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>echo.1>"19BCN71145540.docx"
```

DELETING ALL FILES OF LAST CHILD FOLDER "SUB3" AND DIRECTING TO PARENT DIRECTORY OF SUB3 WHICH IS SUB2

```
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>del f/q/s *.* > NUL  
C:\Users\Lenovo\Desktop\root\sub1\sub2\sub3>cd..
```

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

 Command Prompt

```
C:\Users\Lenovo\Desktop\root\sub1\sub2>del /S /Q /F C:\Users\Lenovo\Desktop\root\sub1\sub2\*.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\sub2\19BCN7114SS26.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\sub2\19BCN7114SS27.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\sub2\19BCN7114SS28.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\sub2\19BCN7114SS29.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\sub2\19BCN7114SS30.docx  
C:\Users\Lenovo\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\Lenovo\Desktop\root\sub1\sub2>cd..  
  
C:\Users\Lenovo\Desktop\root\sub1>del /S /Q /F C:\Users\Lenovo\Desktop\root\sub1\*SS*.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\SS16.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\SS17.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\SS18.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\SS19.docx  
Deleted file - C:\Users\Lenovo\Desktop\root\sub1\SS20.docx  
  
C:\Users\Lenovo\Desktop\root\sub1>cd..
```

ADDING FILES SS11 TO SS20 TO ROOT FOLDER

```
C:\Users\Lenovo\Desktop\root>for %A in (11 12 13 14 15 ) do echo.>"SS%A.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS11.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS12.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS13.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS14.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS15.docx"
C:\Users\Lenovo\Desktop\root>for %A in (16 17 18 19 20) do echo.>"SS%A.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS16.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS17.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS18.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS19.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS20.txt"
```

Activate Windows
Go to Settings to activate Windows.

```
C:\Users\Lenovo\Desktop\root>for %A in (11 12 13 14 15 ) do echo.>"SS%A.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS11.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS12.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS13.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS14.docx"
C:\Users\Lenovo\Desktop\root>echo.1>"SS15.docx"
C:\Users\Lenovo\Desktop\root>for %A in (16 17 18 19 20) do echo.>"SS%A.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS16.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS17.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS18.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS19.txt"
C:\Users\Lenovo\Desktop\root>echo.1>"SS20.txt"
```

DELETING ALL FILES STARTING FROM SS11 TO SS20 IN ROOT FOLDER

Command Prompt

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