

ASSIGNMENT – 2

NAME – HIMANSHU

REG.NO. -20MIS7089

Task 1: File and Directory Manipulation :

```
Command Prompt
Microsoft Windows [Version 10.0.22621.1702]
(c) Microsoft Corporation. All rights reserved.

C:\Users\himan>mkdir my_directory
A subdirectory or file my_directory already exists.

C:\Users\himan>cd my_directory

C:\Users\himan\my_directory>type nul > my_file.txt

C:\Users\himan\my_directory>dir
Volume in drive C is OS
Volume Serial Number is 946D-F129

Directory of C:\Users\himan\my_directory

28-05-2023 13:02 <DIR>      .
28-05-2023 12:59 <DIR>      ..
28-05-2023 13:02              0 my_file.txt
                1 File(s)          0 bytes
                2 Dir(s)  42,046,009,344 bytes free

C:\Users\himan\my_directory>ren my_file.txt new_file.txt
The system cannot find the file specified.

C:\Users\himan\my_directory>ren my_file.txt new_file.txt

C:\Users\himan\my_directory>more new_file.txt

C:\Users\himan\my_directory>echo Hello, World! >> new_file.txt

C:\Users\himan\my_directory>mkdir backup

C:\Users\himan\my_directory>move new_file.txt backup\
1 file(s) moved.

C:\Users\himan\my_directory>move new_file.txt backup\
The system cannot find the file specified.

C:\Users\himan\my_directory>dir backup\
Volume in drive C is OS
Volume Serial Number is 946D-F129
```

```
Command Prompt
Volume Serial Number is 946D-F129

Directory of C:\Users\himan\my_directory

28-05-2023 13:02 <DIR>      .
28-05-2023 12:59 <DIR>      ..
28-05-2023 13:02              0 my_file.txt
                1 File(s)          0 bytes
                2 Dir(s)  42,046,009,344 bytes free

C:\Users\himan\my_directory>ren my_file.txt new_file.txt
The system cannot find the file specified.

C:\Users\himan\my_directory>ren my_file.txt new_file.txt

C:\Users\himan\my_directory>more new_file.txt

C:\Users\himan\my_directory>echo Hello, World! >> new_file.txt

C:\Users\himan\my_directory>mkdir backup

C:\Users\himan\my_directory>move new_file.txt backup\
1 file(s) moved.

C:\Users\himan\my_directory>move new_file.txt backup\
The system cannot find the file specified.

C:\Users\himan\my_directory>dir backup\
Volume in drive C is OS
Volume Serial Number is 946D-F129

Directory of C:\Users\himan\my_directory\backup

28-05-2023 13:04 <DIR>      .
28-05-2023 13:04 <DIR>      ..
28-05-2023 13:04              16 new_file.txt
                1 File(s)          16 bytes
                2 Dir(s)  42,044,235,776 bytes free

C:\Users\himan\my_directory>rmdir /s /q backup

C:\Users\himan\my_directory>
```

Task 2: Permissions and Scripting :

The screenshot shows the Visual Studio Code interface. The Explorer sidebar on the left lists files: '20MIS7089', 'Alice.java', 'Bob.java', and 'Untitled-1.pyynb'. The main editor area displays the content of 'my_script.sh':

```
1 #!/bin/bash
2 echo "Welcome to my script!"
3 echo "Today's date is $(date)."
```

Below the editor, the integrated terminal shows the execution of the script:

```
PS C:\Users\himan\OneDrive\Documents\20MIS7089> cd my_directory
>> chmod +x my_script.sh
>> ./my_script.sh
>> Welcome to my script!
>> Today's date is <current date and time>.
```

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PowerShellLatest

PS C:\Users\himan> ^C
PS C:\Users\himan> #!/bin/bash
PS C:\Users\himan> echo "Welcome to my script!"
Welcome to my script!
PS C:\Users\himan> echo "Today's date is $(date)."
```

Today's date is 05/28/2023 21:36:31.

```
PS C:\Users\himan> cd my_directory
PS C:\Users\himan\my_directory> chmod +x my_script.sh
```



```
Windows PowerShell
1 1 8,288 Kmsedgewebview2.exe 94016 Console 1 5,564 Kmsedgewebview2.exe 54276 Console 1
1 2,316 Kmsedgewebview2.exe 94192 Console 1 8 Kmsedgewebview2.exe 44588 Console 1
168 Kbrave.exe 73888 Console 1 1,12,772 Kbrave.exe 49796 Console 1 1 27,8
54,088 Kbrave.exe 35620 Console 1 92,636 Kbrave.exe 31164 Console 1 1 9,716 K
60 KSystemSettings.exe 68148 Console 1 35,688 KUserOOBEBroker.exe 1196 Console 1 1 5,388 Kconh
chrome.exe 45516 Console 1 28,080 Kcmd.exe 73160 Console 1 1 15,832 KWindowsT
ost.exe 18164 Console 1 8,128 KOpenConsole.exe 83444 Console 1 1 11,520 KWINWORD.EXE
terminal.exe 10492 Console 1 1 83,356 KRuntimeBroker.exe 3788 Console 1 18,680 Kwi.exe
68660 Console 1 3,07,884 Ksvchost.exe 69120 Services 0 44,756 Ksvchost.exe
73212 Console 1 22,788 Koperfmon.exe 43216 Services 1 19,736 KLockApp.exe
1996 Services 0 8,228 KFileCoAuth.exe 50564 Console 1 38,780 Ksvchost.exe
72696 Console 1 50,692 KRuntimeBroker.exe 41936 Console 1 1 1,77,548 Kmsedge.exe 682
22212 Services 0 11,820 Kmsedge.exe 5672 Console 1 1 61,776 Kmsedge.exe 58912 C
00 Console 1 8,524 Kmsedge.exe 53044 Console 1 1 19,236 Kmsedge.exe 28292 Conso
onsole 1 37,848 Kmsedge.exe 88832 Console 1 1 1,32,744 Kmsedge.exe 16772 Console
le 1 29,788 Kmsedge.exe 72848 Console 1 0 6,132 KbackgroundTaskHost.exe 7816 Console
1 57,788 Ksvchost.exe 83024 Services 1 8,152 KbackgroundTaskHost.exe 20836 Console
1 42,636 KCode.exe 16500 Console 1 1,18,476 KCode.exe 13416 Console
1 26,912 KCode.exe 26268 Console 1 1,83,724 KCode.exe 83800 Console 1
1 47,228 KCode.exe 22504 Console 1 2,15,424 KCode.exe 71332 Console 1
1 47,648 KCode.exe 57844 Console 1 1 93,392 KCode.exe 52580 Console 1 1 7,3
84,092 KCode.exe 43496 Console 1 89,204 Kconhost.exe 32256 Console 1 2,51,748 K
12 Kpowershell.exe 26888 Console 1 64,676 Kjava.exe 2996 Console 1 12,468 KCode
Code.exe 92172 Console 1 86,168 KCodeSetup-stable-b3e4e68a 46996 Console 1 8,872 KWinPrvSE
Setup-stable-b3e4e68a 35380 Console 1 42,472 KSearchProtocolHost.exe 87528 Console 1 15,752 KOpenConsole.
.exe 74432 Services 0 19,392 Ksvchost.exe 50312 Services 0 1 8,808 KSnippingTool.exe
.exe 53528 Console 1 10,120 Kpowershell.exe 69572 Console 1 70,928 KSearchProtocolHo
st.exe 88160 Services 0 15,128 KSearchFilterHost.exe 57744 Services 0 9,192 Kdllhost.exe
78528 Console 1 7,736 Ksvchost.exe 81800 Services 0 8,808 KSnippingTool.exe
58976 Console 1 1,04,876 Ksvchost.exe 76144 Console 1 1 12,860 Ksvchost.exe 714
33728 Services 0 12,172 Ksmartscreen.exe 78152 Console 1 10,240 Ksvchost.exe
16 Services 0 7,600 KbackgroundTaskHost.exe 50088 Console 1 30,416 KRuntimeBroker.exe 67100 C
onsole 1 27,824 Ksvchost.exe 19460 Services 0 11,068 KWinPrvSE.exe 60384 Servi
ces 0 42,500 KWinPrvSE.exe 93096 Services 0 9,988 Ksvchost.exe 19468 Services
0 21,068 KWinApSrv.exe 45300 Services 0 10,072 KWinPrvSE.exe 39012 Services
0 13,788 Kpowershell.exe 46408 Console 1 67,540 Kconhost.exe 94048 Console
1 8,368 KOpenConsole.exe 76496 Console 1 15,768 KWindowsTerminal.exe 45716 Console
1 84,316 Ktasklist.exe 44216 Console 1 9,248 KPS C:\Users\himan> tasklist | Select-String -Pattern "bash"
PS C:\Users\himan> tasklist | Select-String -Pattern "bash" | Measure-Object -Line
```