

# Lab 2

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## Problem 1. Command Line Interface Management

1. Launch the Windows command prompt. If you are not in your **Users** directory (folder), change to that location.

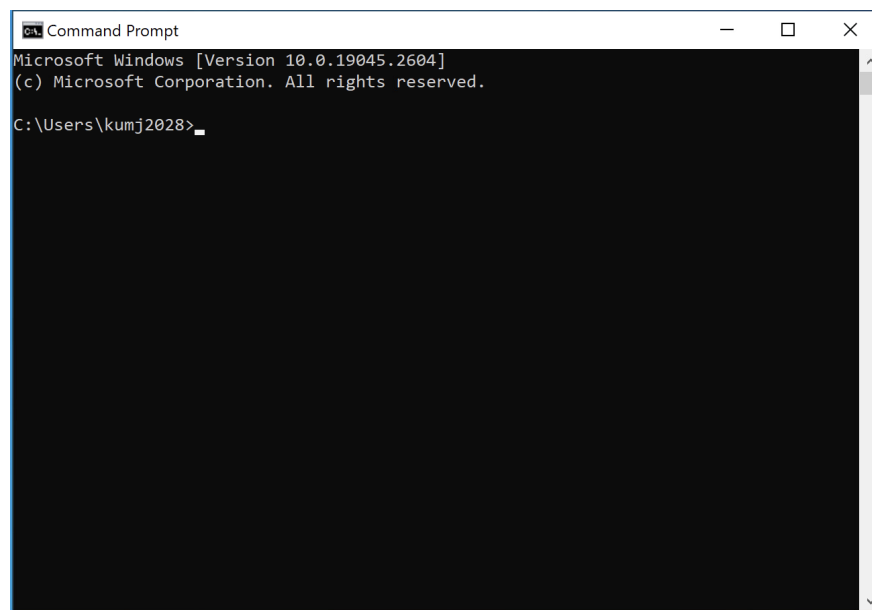
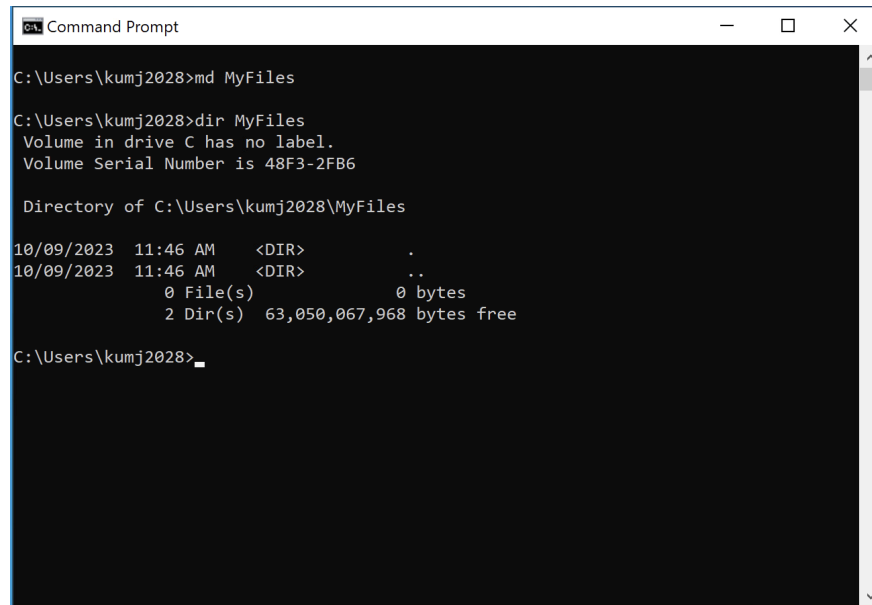


Figure 1: Command Prompt Start Screen

2. Within your Users directory, make a new directory called **MyFiles**. What do you enter to create this directory?

```
md MyFiles
```



```
Command Prompt

C:\Users\kumj2028>md MyFiles

C:\Users\kumj2028>dir MyFiles
Volume in drive C has no label.
Volume Serial Number is 48F3-2FB6

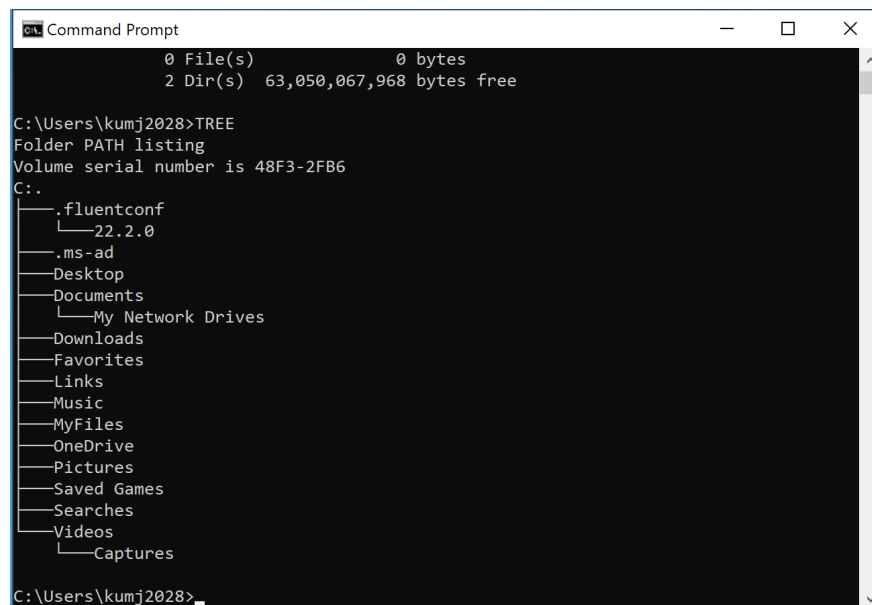
Directory of C:\Users\kumj2028\MyFiles

10/09/2023  11:46 AM    <DIR>          .
10/09/2023  11:46 AM    <DIR>          ..
               0 File(s)                0 bytes
               2 Dir(s)  63,050,067,968 bytes free

C:\Users\kumj2028>
```

Figure 2: Creating Directory MyFiles

3. Run the command **TREE** to see the subdirectories from your Users directory. Create and save a screenshot.



```
Command Prompt

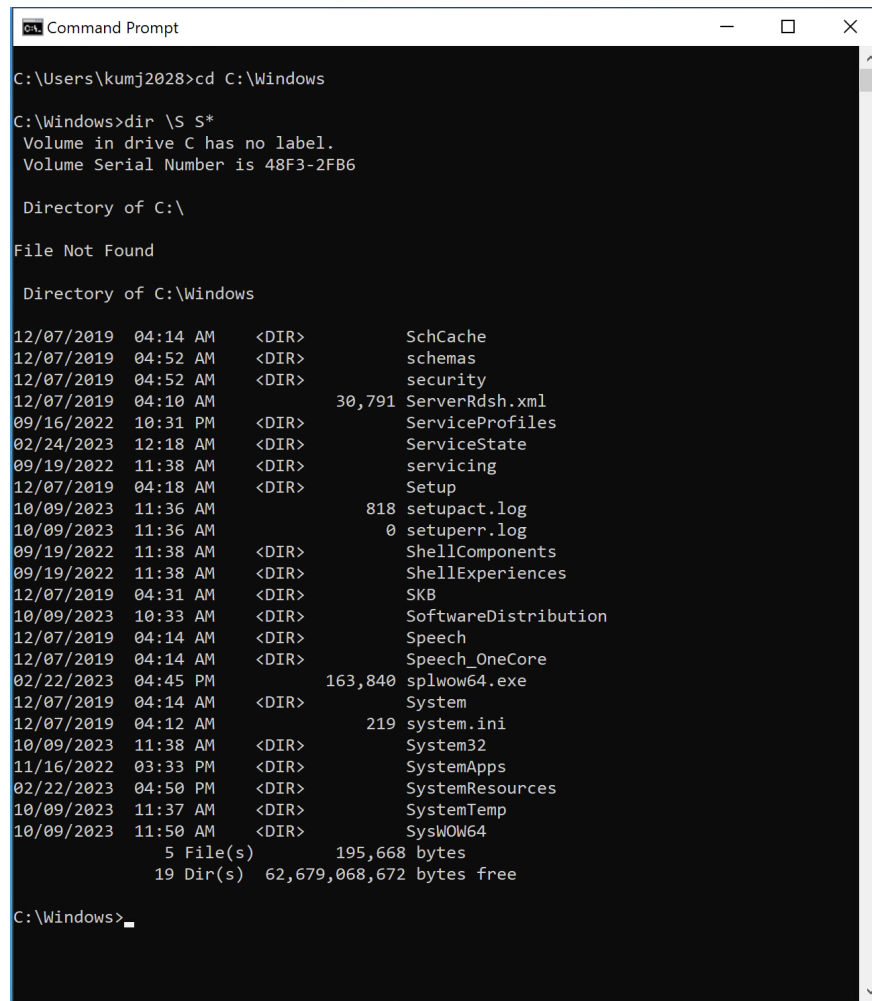
               0 File(s)                0 bytes
               2 Dir(s)  63,050,067,968 bytes free

C:\Users\kumj2028>TREE
Folder PATH listing
Volume serial number is 48F3-2FB6
C:.
├──.fluentconf
│   └──22.2.0
├──.ms-ad
├──Desktop
├──Documents
│   └──My Network Drives
├──Downloads
├──Favorites
├──Links
├──Music
├──MyFiles
├──OneDrive
├──Pictures
├──Saved Games
├──Searches
├──Videos
│   └──Captures
```

Figure 3: Running **TREE** on Users directory

4. Change to the C:\Windows directory. Search the directory for all files starting with the letter S. What do you enter for this? Create and save a screenshot.

```
dir \S S*
```



```
Command Prompt
C:\Users\kumj2028>cd C:\Windows
C:\Windows>dir \S S*
Volume in drive C has no label.
Volume Serial Number is 48F3-2FB6

Directory of C:\
File Not Found

Directory of C:\Windows

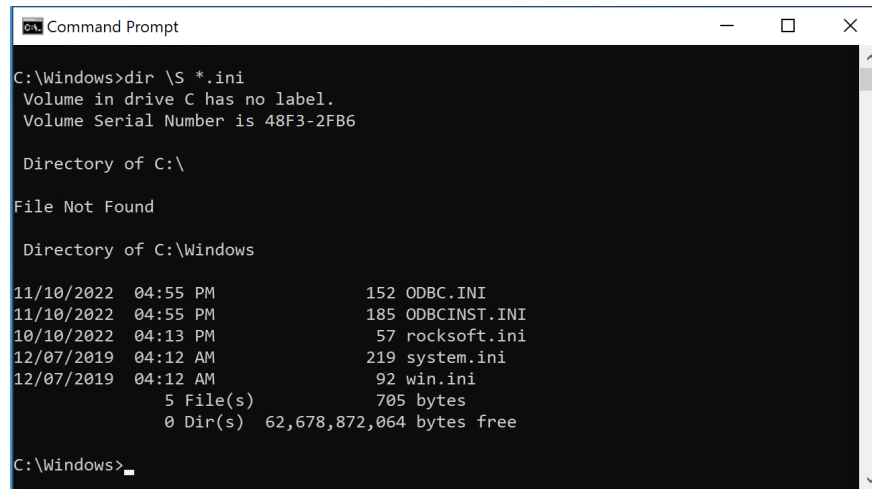
12/07/2019  04:14 AM  <DIR>          SchCache
12/07/2019  04:52 AM  <DIR>          schemas
12/07/2019  04:52 AM  <DIR>          security
12/07/2019  04:10 AM             30,791 ServerRdsh.xml
09/16/2022  10:31 PM  <DIR>          ServiceProfiles
02/24/2023  12:18 AM  <DIR>          ServiceState
09/19/2022  11:38 AM  <DIR>          servicing
12/07/2019  04:18 AM  <DIR>          Setup
10/09/2023  11:36 AM             818 setupact.log
10/09/2023  11:36 AM              0 setuperr.log
09/19/2022  11:38 AM  <DIR>          ShellComponents
09/19/2022  11:38 AM  <DIR>          ShellExperiences
12/07/2019  04:31 AM  <DIR>          SKB
10/09/2023  10:33 AM  <DIR>          SoftwareDistribution
12/07/2019  04:14 AM  <DIR>          Speech
12/07/2019  04:14 AM  <DIR>          Speech_OneCore
02/22/2023  04:45 PM             163,840 splwow64.exe
12/07/2019  04:14 AM  <DIR>          System
12/07/2019  04:12 AM             219 system.ini
10/09/2023  11:38 AM  <DIR>          System32
11/16/2022  03:33 PM  <DIR>          SystemApps
02/22/2023  04:50 PM  <DIR>          SystemResources
10/09/2023  11:37 AM  <DIR>          SystemTemp
10/09/2023  11:50 AM  <DIR>          SysWow64
          5 File(s)          195,668 bytes
          19 Dir(s)  62,679,068,672 bytes free

C:\Windows>
```

Figure 4: Searching for all files starting with S on the Windows directory

5. Show all files with a .ini file extension. What do you enter for this? Create and save a screenshot.

```
dir \S *.ini
```



```
Command Prompt
C:\Windows>dir \S *.ini
Volume in drive C has no label.
Volume Serial Number is 48F3-2FB6

Directory of C:\

File Not Found

Directory of C:\Windows

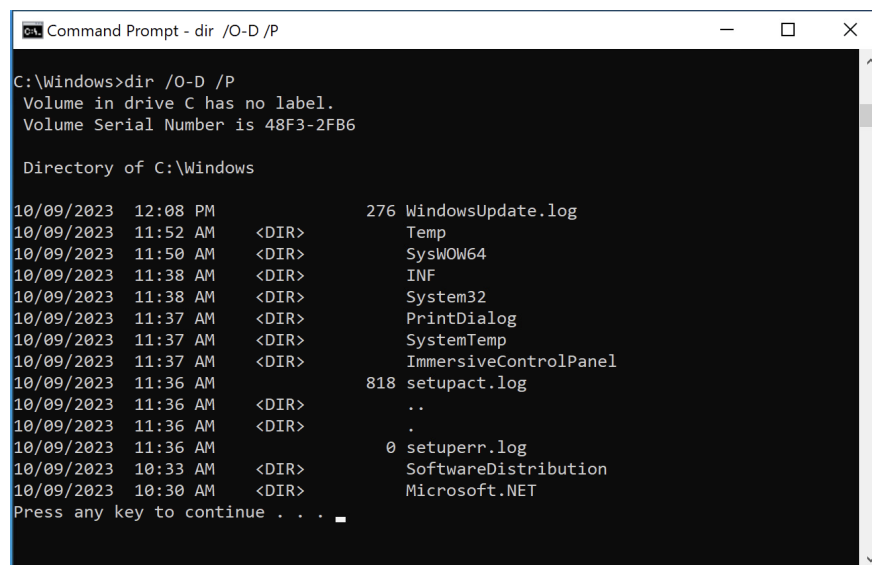
11/10/2022  04:55 PM                152 ODBC.INI
11/10/2022  04:55 PM                185 ODBCINST.INI
10/10/2022  04:13 PM                 57 rocksoft.ini
12/07/2019  04:12 AM                219 system.ini
12/07/2019  04:12 AM                 92 win.ini
               5 File(s)              705 bytes
               0 Dir(s) 62,678,872,064 bytes free

C:\Windows>
```

Figure 5: Searching for all .ini extension files on the Windows directory

6. Using the /? switch, determine the command and options to show all the files in order by reverse date. Pause the screen so you can see this. What do you enter for this? Create and save a screenshot.

```
dir \O-D \P
```



```
Command Prompt - dir /O-D /P
C:\Windows>dir /O-D /P
Volume in drive C has no label.
Volume Serial Number is 48F3-2FB6

Directory of C:\Windows

10/09/2023  12:08 PM                276 WindowsUpdate.log
10/09/2023  11:52 AM                <DIR>      Temp
10/09/2023  11:50 AM                <DIR>      SysWOW64
10/09/2023  11:38 AM                <DIR>      INF
10/09/2023  11:38 AM                <DIR>      System32
10/09/2023  11:37 AM                <DIR>      PrintDialog
10/09/2023  11:37 AM                <DIR>      SystemTemp
10/09/2023  11:37 AM                <DIR>      ImmersiveControlPanel
10/09/2023  11:36 AM                818 setupact.log
10/09/2023  11:36 AM                <DIR>      ..
10/09/2023  11:36 AM                <DIR>      .
10/09/2023  11:36 AM                 0 setuperr.log
10/09/2023  10:33 AM                <DIR>      SoftwareDistribution
10/09/2023  10:30 AM                <DIR>      Microsoft.NET
Press any key to continue . . .
```

Figure 6: Sorting the files by the most recent first

7. Navigate to your **Users** directory.

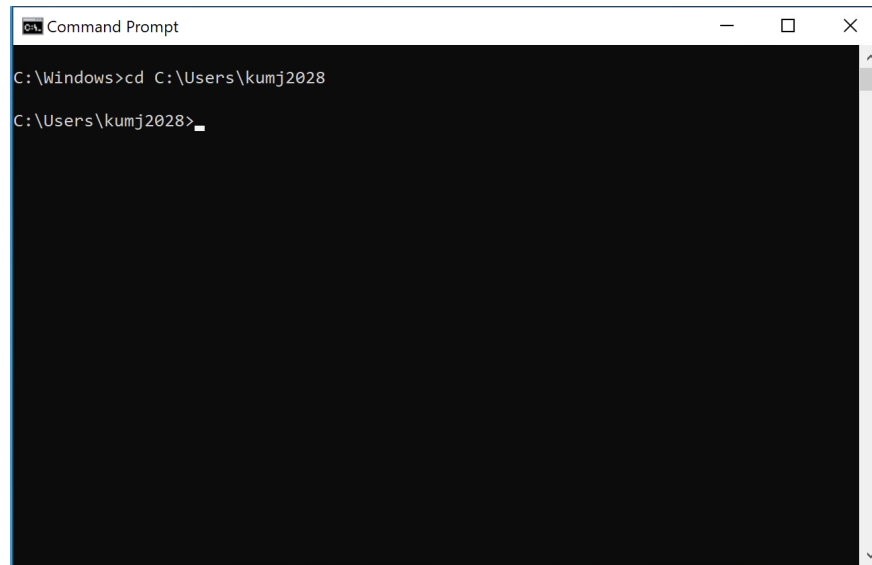


Figure 7: Back to Users

8. Run the `textbfIPCONFIG` command, and redirect the output to a file called `MyIP.txt`. What do you enter for this? Create and save a screenshot.

```
ipconfig > MyIP.txt
```

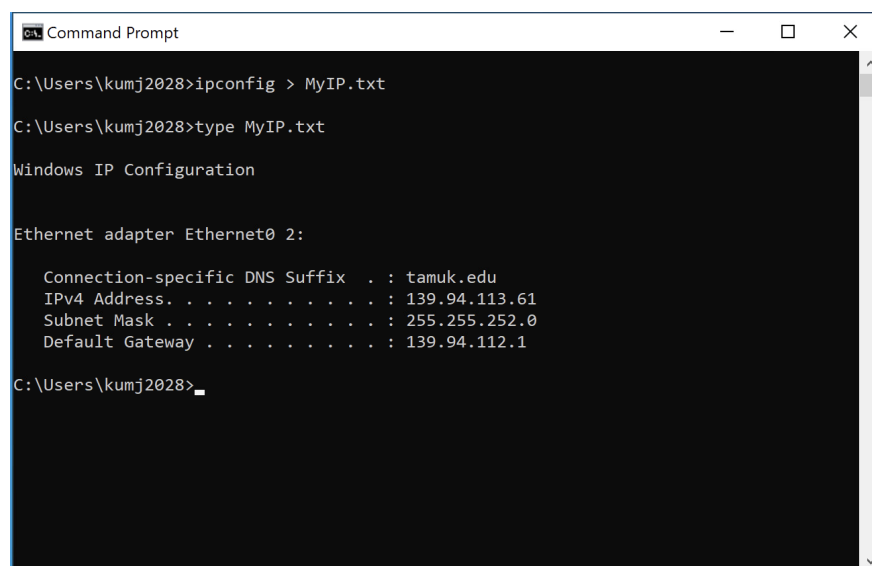


Figure 8: Running **IPCONFIG** and redirecting the output to a file