# Microsoft CMD Notes

The command prompt is a text based utility that allows tasks usually accomplished via an operating system GUI through text commands.

Some common commands are moving or deleting files, configuring settings, killing tasks, and even git related source control actions.

## System Commands

### DIR

The dir command specifies the list of files and subdirectories in the current directory.

### CD

Cd (short for change directory), changes the current operating directory to the path specified, and any other directory specific commands will be executed on the new directory.   
If “cd..” is used, it will move up one level in the current path (i.e. C:\OceanLiners\Titanic, will change to C:\OceanLiners)

MKDIR

The MKDIR command makes the specified directory in the current directory.

I.e. if the current working directory is C:/Projects typing MKDIR Ships/Titanic will create the subdirectory ship under Projects, with a folder named “Titanic” inside of it.

You can then navigate to the new folder using CD.

### Del

The del command is used to delete files from the current working directory. It’s behavior is rather limited by itself, but can easily be enhanced using various flags.

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| Flag | Explanation |
| /F | Forces the deletion of any read-only files. These would normally be skipped. |
| /Q | Runs the command in quiet mode. In regular mode, a prompt would be given for every file found. |
| /S | This will encapsulate all files in the delete operation. Any folder found under the current directory will have it’s file removed. |
| \*.\* | Acts as a filter to specify which files or types of files to delete. In this example, all files are deleted. However, this can be amended to limit it to specific files types (\*.txt to delete only text files), or (Titanic.\* to delete files of any type named “Titanic”) |
| >Nul | This disables console output messages regarding the delete operations. This can substantially speed up the process. |

Assuming the mkdir command example was run earlier, running DEL /F /Q /S\*.\*>NUL would delete any and all files in the Ships and Titanic folders without prompting, and with console output disabled.   
  
Del will NOT delete files and should be paired with the RMDIR command if folders need to be removed.

Source: <https://www.ghacks.net/2017/07/18/how-to-delete-large-folders-in-windows-super-fast/>

### RMDIR

RMDIR does for folders what DEL does for files: deletes them. Like DEL, RMDIR can be used with flags to customize and enhance its functionality. RMDIR will only work on empty folders and so should be paired with the DEL Command.

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| FLAG | Explanation |
| /Q | Runs in quiet mode, disabling prompts to delete folders. |
| /S | Automatically runs the operations on all folders in the path, deleting any empty directories. |
| Foldername | This is an optional parameter that specifies a path to a folder to be deleted |

Source: <https://www.ghacks.net/2017/07/18/how-to-delete-large-folders-in-windows-super-fast/>

## GIT Commands