Git and Github Tutorial: Beginner to Advanced (Part 3)

Git Installation

- ➔ https://git-scm.com/downloads - Download GitSCM - Download command line not the GUI One
- ➔ EXE will be downloaded , once downloaded install it by clicking next next.
- ➔ Open DOS command Prompt by typing "CMD" in search bar. Command prompt will open.
- ➔ Go to the Git directory C:\Users\KIRAN>cd C:\Program Files\Git

```
C:\Users\KIRAN\Desktop>dir
 Volume in drive C is OS
 Volume Serial Number is CCC1-DCF3

 Directory of C:\Users\KIRAN\Desktop

08/19/2023  10:52 AM    <DIR>          .
08/19/2023  10:52 AM    <DIR>          ..
06/01/2023  12:21 PM             1,011 08.IMP_IOT Course - Shortcut.lnk
08/19/2023  10:52 AM    <DIR>          AI Work
06/28/2023  05:27 PM             1,243 Collaboration Opportunity - AI Training Program.txt
08/01/2023  06:38 PM            56,658 file-20210805-27-hp2yh3.avif
07/02/2023  10:57 AM    <DIR>          food
08/19/2023  10:52 AM                92 GIT Hub.txt
06/17/2023  09:55 PM    <DIR>          Home made papad
08/01/2023  06:37 PM             4,703 images.jpg
08/01/2023  07:53 AM             2,396 Kiran - Chrome.lnk
06/20/2023  10:10 PM               114 meetings link.txt
06/22/2023  04:01 PM                 8 New Text Document.txt
07/17/2023  02:53 PM         2,810,834 PGP AI and ML Purdue-11723.pdf
08/14/2023  04:12 PM               845 PHP Course - Shortcut.lnk
08/06/2023  05:41 PM    <DIR>          PHP Learning
06/16/2023  08:02 AM           877,843 saree.png
02/14/2020  01:37 PM            25,259 shoppersdb.sql
05/14/2023  11:12 AM             1,034 Telegram.lnk
05/30/2023  09:43 AM             2,393 Trezor Suite.lnk
06/01/2023  05:07 PM             1,506 Wondershare Filmora 12.lnk
05/31/2023  12:50 PM               974 xampp-control - Shortcut.lnk
07/29/2023  09:03 PM    <DIR>          Yoga Pic
              16 File(s)      3,786,913 bytes
               7 Dir(s)  221,940,731,904 bytes free

C:\Users\KIRAN\Desktop>help dir
Displays a list of files and subdirectories in a directory.
```
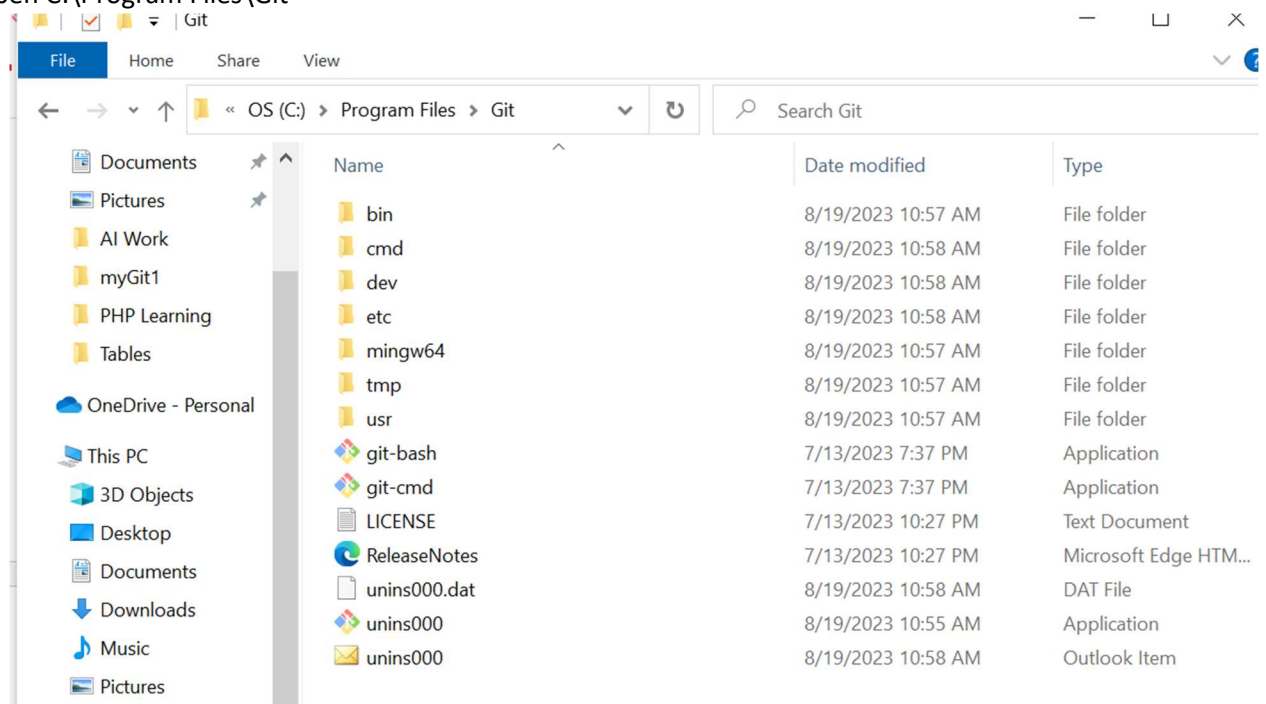- ➔
- ➔ If you get above commands that's means git is Installed

➔ Open C:\Program Files\Git

➔ Double click on git-cmd
➔ C:\Program Files\Git>git

```
C:\Program Files\Git>git
usage: git [-v | --version] [-h | --help] [-C <path>] [-c <name>=<value>]
           [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
           [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
           [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
           [--config-env=<name>=<envvar>] <command> [<args>]

These are common Git commands used in various situations:

start a working area (see also: git help tutorial)
   clone      Clone a repository into a new directory
   init       Create an empty Git repository or reinitialize an existing one

work on the current change (see also: git help everyday)
   add        Add file contents to the index
   mv         Move or rename a file, a directory, or a symlink
   restore    Restore working tree files
   rm         Remove files from the working tree and from the index

examine the history and state (see also: git help revisions)
   bisect     Use binary search to find the commit that introduced a bug
   diff       Show changes between commits, commit and working tree, etc
   grep       Print lines matching a pattern
   log        Show commit logs
   show       Show various types of objects
   status     Show the working tree status

grow, mark and tweak your common history
   branch     List, create, or delete branches
   commit     Record changes to the repository
   merge      Join two or more development histories together
   rebase     Reapply commits on top of another base tip
   reset      Reset current HEAD to the specified state
   switch     Switch branches
   tag        Create, list, delete or verify a tag object signed with GPG

collaborate (see also: git help workflows)
   fetch      Download objects and refs from another repository
   pull       Fetch from and integrate with another repository or a local branch
   push       Update remote refs along with associated objects
```