

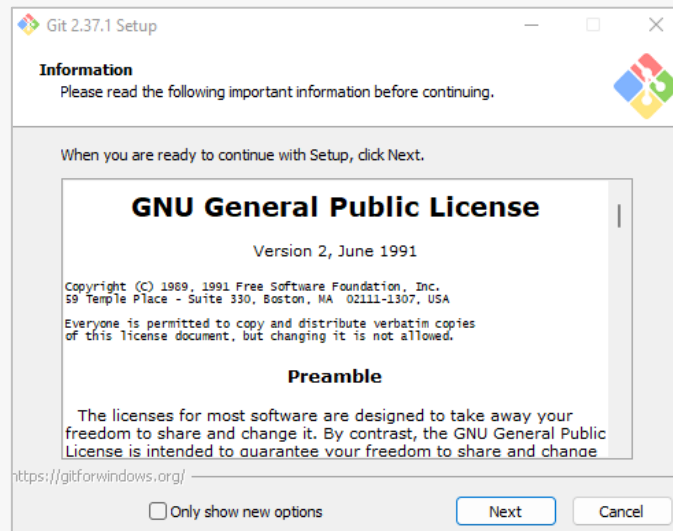
WD15 OBSERVATION REPORT

Created by: Bryan Joseph P Factor

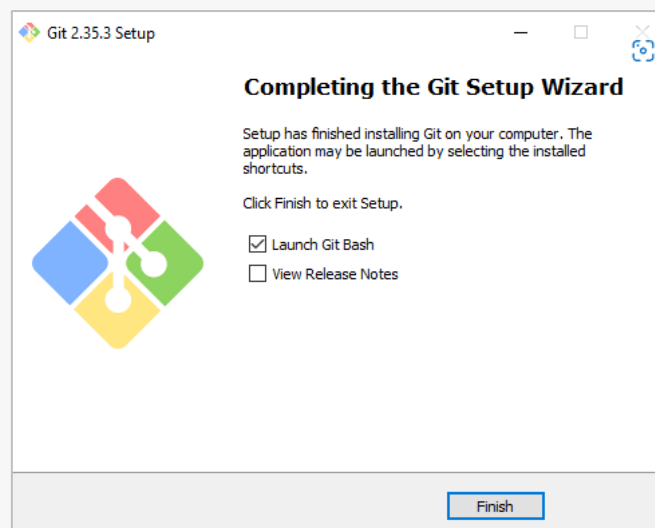
Date: August 2, 2022

I. INSTALLING GIT & GIT BASH

Git is an application of Microsoft Windows that is used by developers to use Git in a command-line interface. To start installing the Git and Git Bash (Bourne Again Shell) you need to download it using this [link](#).

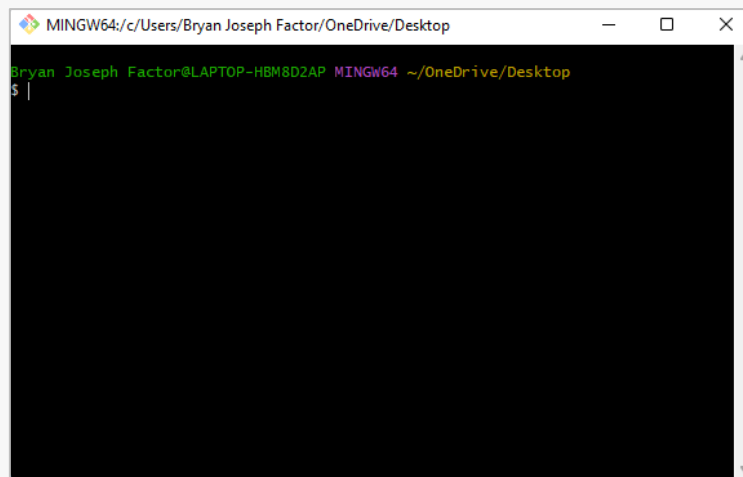


Installing is fast and easy, you don't need to have a high-level skill in order to install the GIT & GIT BASH. Once installed, you will be prompt on launching the Git Bash. Click the Finish and tick the box beside the Launch the Git Bash if you want to use the application immediately after installing. If not, just untick the box and click the finish button.



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If you choose Launch Git Bash, the command console will be visible in your desktop.



There are different ways to open the console, you can click the right click on your mouse and choose the 'Git Bash Here' (Image A) or search the name of the application on Windows (Image B).

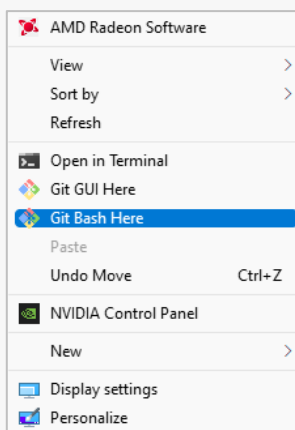


Image A

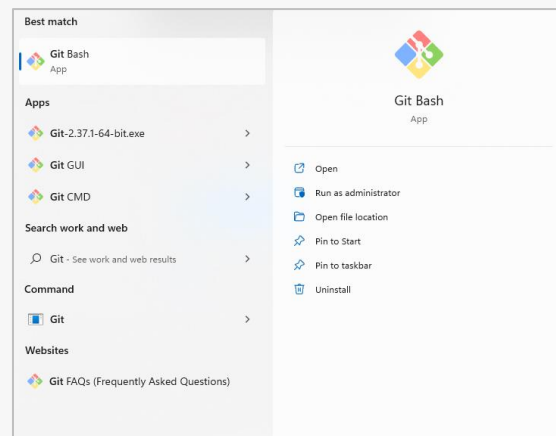


Image B

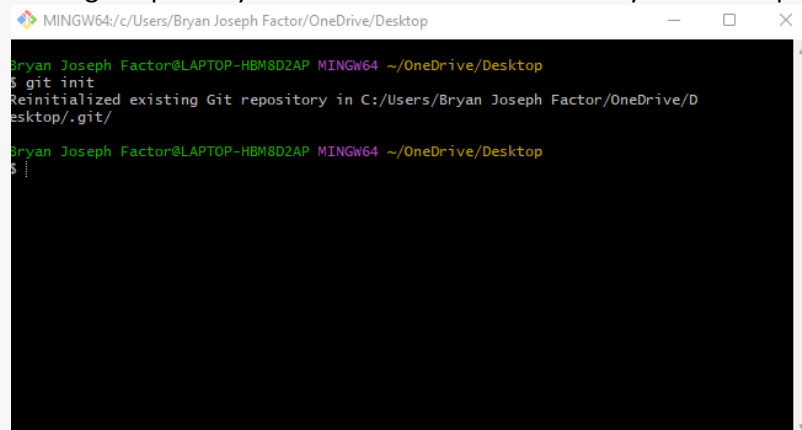
Great! Now you are ready to start using the console, now let's try to use 15 Linux Commands.

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II. LINUX COMMANDS

1. \$ git init

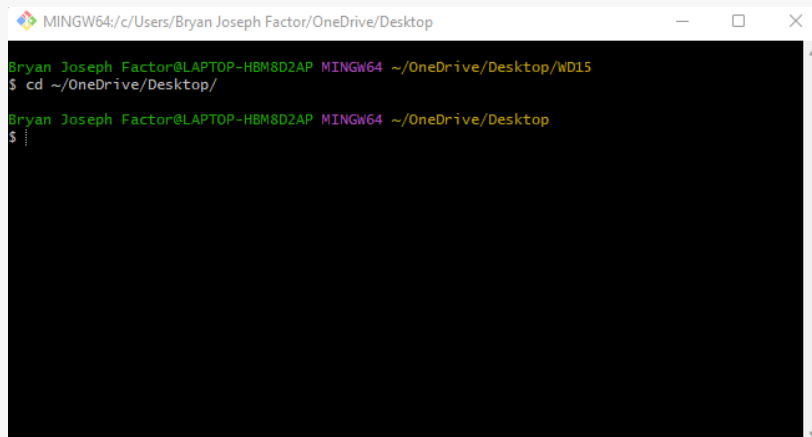
The first step in creating a repository. This command turns a directory into an empty Git repository.

A terminal window titled 'MINGW64/c/Users/Bryan Joseph Factor/OneDrive/Desktop' showing the execution of the 'git init' command. The prompt is 'Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop'. The command 'git init' is entered, and the output is 'Reinitialized existing Git repository in C:/Users/Bryan Joseph Factor/OneDrive/Desktop/.git/'.

```
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$ git init
Reinitialized existing Git repository in C:/Users/Bryan Joseph Factor/OneDrive/Desktop/.git/
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$
```

2. \$ cd ~/desktop/

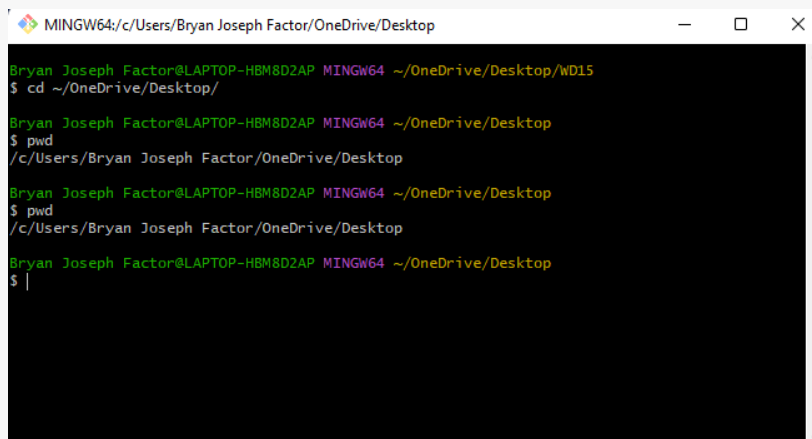
This command means 'change directory' and is used to take you from the current directory to another directory.

A terminal window titled 'MINGW64/c/Users/Bryan Joseph Factor/OneDrive/Desktop' showing the execution of the 'cd' command. The prompt is 'Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wD15'. The command 'cd ~/OneDrive/Desktop/' is entered, and the prompt changes to 'Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop'.

```
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wD15
$ cd ~/OneDrive/Desktop/
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$
```

3. \$ pwd

This command means 'present working directory', pwd is used to find out the current directory you are in.

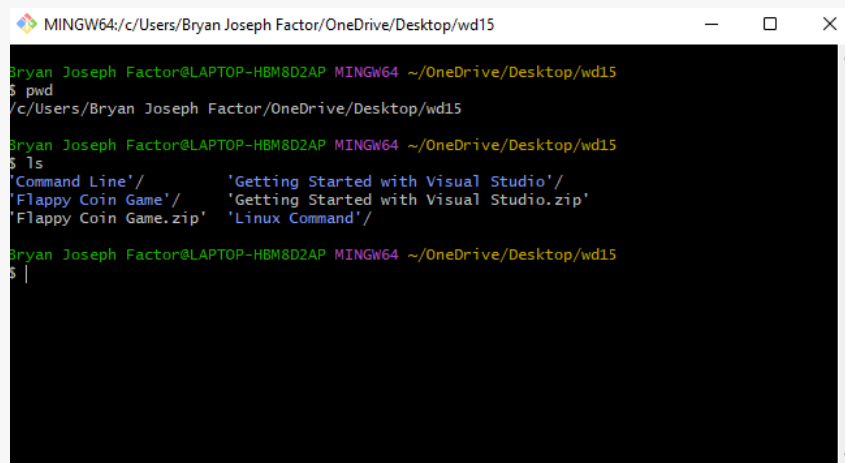
A terminal window titled 'MINGW64/c/Users/Bryan Joseph Factor/OneDrive/Desktop' showing the execution of the 'pwd' command. The prompt is 'Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wD15'. The command 'cd ~/OneDrive/Desktop/' is entered, and the prompt changes to 'Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop'. Then, the command 'pwd' is entered, and the output is '/c/Users/Bryan Joseph Factor/OneDrive/Desktop'.

```
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wD15
$ cd ~/OneDrive/Desktop/
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$ pwd
/c/Users/Bryan Joseph Factor/OneDrive/Desktop
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$ pwd
/c/Users/Bryan Joseph Factor/OneDrive/Desktop
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$
```

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4. \$ ls

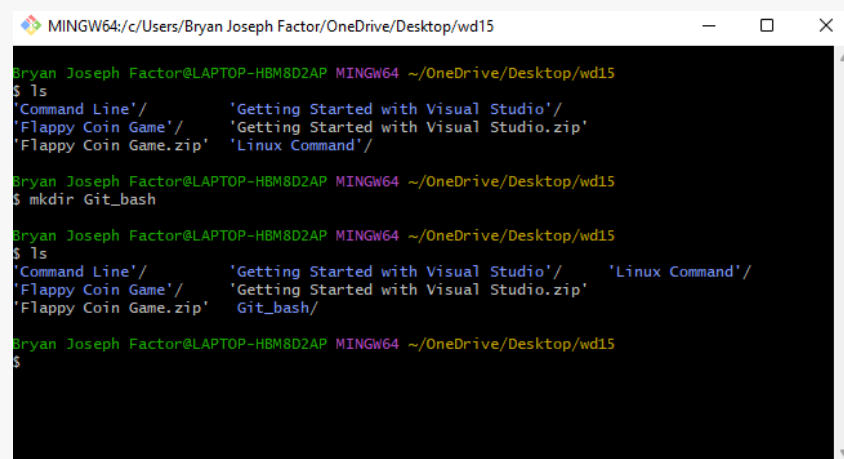
This command list contents of a directory. Technically these items on the lists of the directory is what you can find inside of the directory.



```
MINGW64:/c:/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15
$ pwd
/c:/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15
$ ls
'Command Line'/      'Getting Started with Visual Studio'/
'Flappy Coin Game'/  'Getting Started with Visual Studio.zip'
'Flappy Coin Game.zip' 'Linux Command'/'
```

5. \$ mkdir new_folder

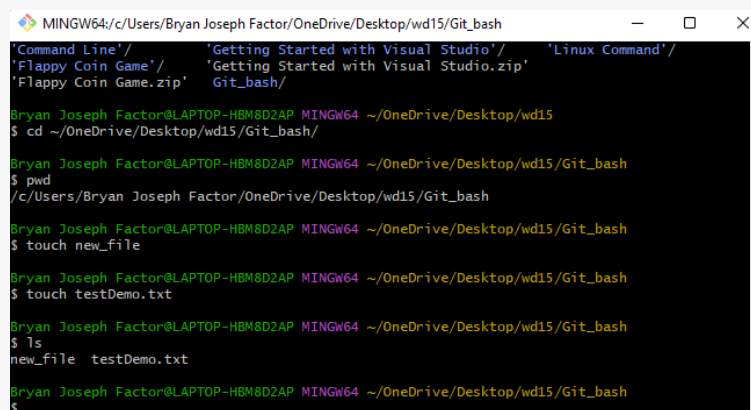
This command is used to make new folder inside the directory.



```
MINGW64:/c:/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15
$ ls
'Command Line'/      'Getting Started with Visual Studio'/
'Flappy Coin Game'/  'Getting Started with Visual Studio.zip'
'Flappy Coin Game.zip' 'Linux Command'/'
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15
$ mkdir Git_bash
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15
$ ls
'Command Line'/      'Getting Started with Visual Studio'/ 'Linux Command'/'
'Flappy Coin Game'/  'Getting Started with Visual Studio.zip'
'Flappy Coin Game.zip' Git_bash/'
```

6. \$ touch new_file

This command is used to create file inside the new folder created.

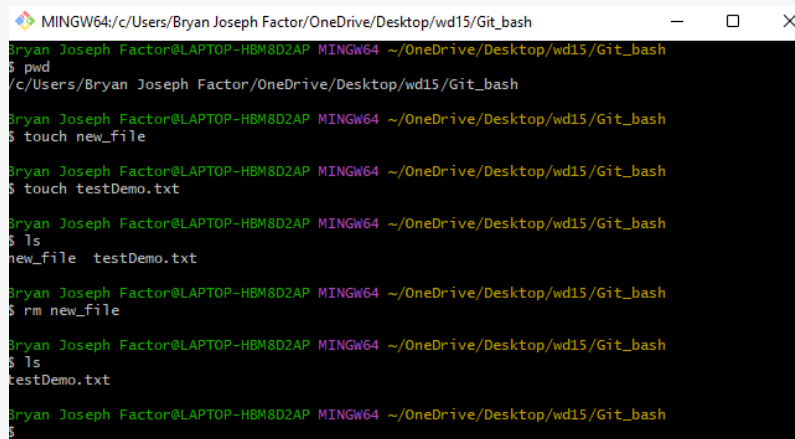


```
MINGW64:/c:/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15/Git_bash
'Command Line'/      'Getting Started with Visual Studio'/ 'Linux Command'/'
'Flappy Coin Game'/  'Getting Started with Visual Studio.zip'
'Flappy Coin Game.zip' Git_bash/'
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15
$ cd ~/OneDrive/Desktop/wd15/Git_bash/
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ pwd
/c:/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15/Git_bash
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ touch new_file
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ touch testDemo.txt
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ ls
new_file testDemo.txt
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$
```

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7. \$ rm [filename]

This command is used to delete file inside the directory. Type rm + the name of the file you want to delete inside the folder.



```
MINGW64:/c/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15/Git_bash
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ pwd
/c/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15/Git_bash
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ touch new_file
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ touch testDemo.txt
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ ls
new_file  testDemo.txt
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ rm new_file
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$ ls
testDemo.txt
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/wd15/Git_bash
$
```

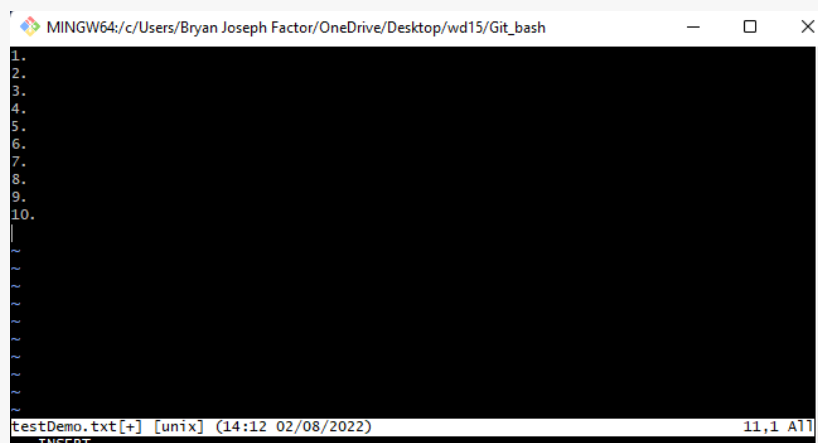
8. \$ vi [filename]

This command uses to open or edit the file.



```
MINGW64:/c/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15/Git_bash
testDemo.txt [unix] (14:12 02/08/2022) 0,0-1 A11
"testDemo.txt" 0L, 0B
```

9. Click **I** to Insert new text information inside the file. Press **Esc** to switch to command mode. **:wq** to save and exit on the file or **:q** to exit only without saving the file. **:w** to save and continue editing.



```
MINGW64:/c/Users/Bryan Joseph Factor/OneDrive/Desktop/wd15/Git_bash
1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
~
~
~
~
~
testDemo.txt[+] [unix] (14:12 02/08/2022) 11,1 A11
-- INSERT --
```

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10. \$ find . [file name]

This command is used to look for the document inside the directory.

```
MINGW64/c/Users/Bryan Joseph Factor/OneDrive/Desktop/WD15/Git_Bash
./Git_bash/testDemo.txt
./Git_bash/WD15
./Linux Command
./Linux Command/Linux-Cheat Sheet.pdf
find: 'testDemo.txt': No such file or directory

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15
$ cd ~/OneDrive/Desktop/WD15/WD15/
bash: cd: /c/Users/Bryan Joseph Factor/OneDrive/Desktop/WD15/WD15/: No such file or directory

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15
$ cd ~/OneDrive/Desktop/WD15/Git_Bash/

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15/Git_Bash
$ find . testDemo.txt
.
./testDemo.txt
./WD15
testDemo.txt

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15/Git_Bash
$
```

11. Opening a browser

Type \$ start + [browser] + url to open up a browser.

```
MINGW64/c/Users/Bryan Joseph Factor/OneDrive/Desktop
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15/Git_Bash
$ find -textDemo.txt
find: unknown predicate '-textDemo.txt'

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15/Git_Bash
$ git gret 'textDemo'
git: 'gret' is not a git command. See 'git --help'.

The most similar command is
  grep

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15/Git_Bash
$ cd ~/OneDrive/Desktop

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$ find . -textDemo "txt"
find: unknown predicate '-textDemo'

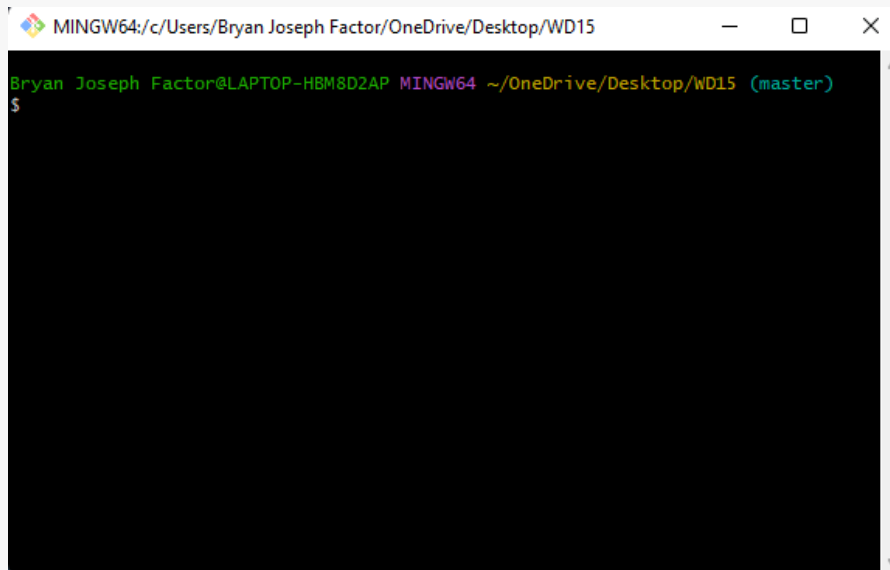
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$ start chrome www.google.com

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop
$
```

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12. \$ clear

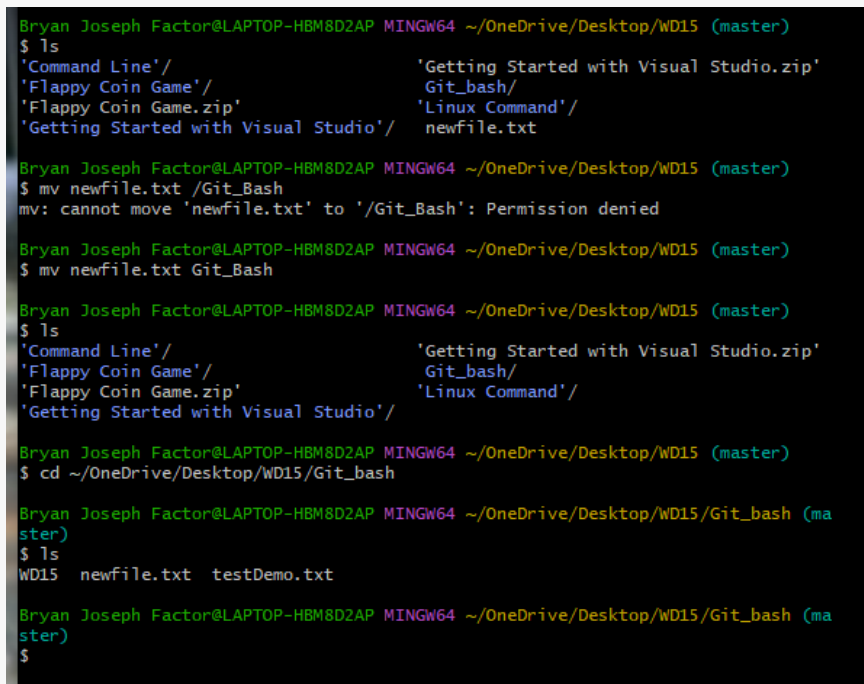
This document is used to clean the information in the console.

A screenshot of a terminal window titled 'MINGW64; c:/Users/Bryan Joseph Factor/OneDrive/Desktop/WD15'. The prompt is 'Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15 (master)'. The user has entered the 'clear' command, and the terminal screen is now empty except for the prompt.

```
MINGW64; c:/Users/Bryan Joseph Factor/OneDrive/Desktop/WD15
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15 (master)
$
```

13. \$ mv [filename] /directory

This command is used to move file from one directory to another directory.

A screenshot of a terminal window showing a sequence of commands to move a file. The user first lists files, then attempts to move 'newfile.txt' to '/Git_Bash' (which fails with a permission error), then successfully moves it to 'Git_Bash'. Finally, the user changes the directory to 'Git_Bash' and lists the files, showing 'newfile.txt' and 'testDemo.txt'.

```
Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15 (master)
$ ls
'Command Line'/                                'Getting Started with Visual Studio.zip'
'Flappy Coin Game'/                            Git_bash/
'Flappy Coin Game.zip'                        'Linux Command'/
'Getting Started with Visual Studio'/          newfile.txt

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15 (master)
$ mv newfile.txt /Git_Bash
mv: cannot move 'newfile.txt' to '/Git_Bash': Permission denied

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15 (master)
$ mv newfile.txt Git_Bash

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15 (master)
$ ls
'Command Line'/                                'Getting Started with Visual Studio.zip'
'Flappy Coin Game'/                            Git_bash/
'Flappy Coin Game.zip'                        'Linux Command'/
'Getting Started with Visual Studio'/

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15 (master)
$ cd ~/OneDrive/Desktop/WD15/Git_bash

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15/Git_bash (ma
ster)
$ ls
WD15  newfile.txt  testDemo.txt

Bryan Joseph Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop/WD15/Git_bash (ma
ster)
$
```

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14. \$ help

Type help command in the console to provide information on different command lines.

```
MINGW64/c/Users/Bryan.Joseph.Factor/OneDrive/Desktop
Bryan.Joseph.Factor@LAPTOP-HBM8D2AP MINGW64 ~/OneDrive/Desktop (master)
$ help
GNU bash, version 4.4.23(1)-release (x86_64-pc-msys)
These shell commands are defined internally. Type 'help' to see this list.
Type 'help name' to find out more about the function 'name'.
Use 'info bash' to find out more about the shell in general.
Use 'man -k' or 'info' to find out more about commands not in this list.
A star (*) next to a name means that the command is disabled.

job_spec [s]
(( expression ))
. filename [arguments]
[ arg... ]
[[ expression ]]
alias [-p] [name=value] ...
bg [job_spec ...]
bind [-lpsvPSvx] [-m keymap] [-f filename] [-q name] [-u name] [-r keyseq] [-x keyseq:shell-command]
break [n]
builtin [shell-builtin [arg ...]]
caller [expr]
case WORD in [PATTERN [PATTERN]...] COMMANDS ;;... esac
cd [-L|-P [-e]] [-@] [dir]
command [-pv] command [arg ...]
compgen [-abcefgjkquv] [-o option] [-A action] [-G globpat] [-W wordlist] [-F function] [-C command]
complete [-abcefgjkquv] [-pr] [-DE] [-o option] [-A action] [-G globpat] [-W wordlist] [-F function]
compsort [-o option] [-DE] [name ...]
continue [n]
coproc [NAME] command [redirections]
declare [-aAfFgiInrtux] [-p] [name=value] ...
dirs [-clpv] [+N] [-N]
disown [-h] [-w] [jobspec ...] pid ...
echo [-neE] [arg ...]
enable [-a] [-dnps] [-f filename] [name ...]
eval [arg ...]
exec [-cl] [-a name] [command [arguments ...]] [redirection ...]
exit [n]
export [-fn] [name=value] ... or export -p
false
fc [-e ename] [-lnr] [first] [last] or Fc -s [pat=rep] [command]
fg [job_spec]
for NAME in WORDS ... ; do COMMANDS; done
for ((exp1; exp2; exp3)); do COMMANDS; done
function name { COMMANDS ; } or name () { COMMANDS ; }
getopts optstring name [arg]
hash [-lr] [-p pathname] [-dt] [name ...]
help [-dns] [pattern ...]

history [-c] [--d offset] [n] or history -anrw [filename] or history -ps arg [arg...]
if COMMANDS; then COMMANDS; [ elif COMMANDS; then COMMANDS; ]... [ else COMMANDS; ] fi
jobs [-lnprs] [jobspec ...] or jobs -x command [args]
kill [-s sigspec | -n signum | -sigspec] pid | jobspec ... or kill -l [sigspec]
let arg [arg ...]
local [option] name[=value] ...
logout [n]
mapfile [-d delim] [-n count] [-O origin] [-s count] [-t] [-u fd] [-C callback] [-c quantum] [array]
popd [-n] [+N | -N]
printf [-v var] format [arguments]
pushd [-n] [+N | -N | dir]
pwd [-LPw]
read [-ers] [-a array] [-d delim] [-i text] [-n nchars] [-N nchars] [-p prompt] [-t timeout] [-u >
readarray [-n count] [-O origin] [-s count] [-t] [-u fd] [-C callback] [-c quantum] [array]
readonly [-aA] [name[=value] ...] or readonly -p
return [n]
select NAME in WORDS ... ; do COMMANDS; done
set [-abefhkmptuvxBCHP] [-o option-name] [--] [arg ...]
shift [n]
shopt [-pqsu] [-o] [optname ...]
source filename [arguments]
suspend [-f]
test [exp]
time [-p] pipeline
times
trap [-lp] [[arg] signal_spec ...]
true
type [-afptP] name [name ...]
typeset [-aFfiInrtux] [-p] name[=value] ...
ulimit [-ShabcdefilmporstuvxPT] [limit]
umask [-p] [-S] [mode]
unalias [-a] name [name ...]
unset [-f] [-v] [-n] [name ...]
until COMMANDS; do COMMANDS; done
variables - Names and meanings of some shell variables
wait [-n] [id ...]
while COMMANDS; do COMMANDS; done
{ COMMANDS ; }
```

15. \$ exit

Type exit to logout the console.

-end-