

```
MINGW64/d/Full_Stack
priya@Subh_saini MINGW64 ~ (master)
$ touch arr.txt

priya@Subh_saini MINGW64 ~ (master)
$ git --version
git version 2.47.0.windows.2

priya@Subh_saini MINGW64 ~ (master)
$ ls
-1.14-windows.xml
AppData/
'Application Data'@
Contacts/
Cookies@
CrossDevice/
'Data Engineering & visualization'/
Downloads/
Favorites/
'Generative AI JOVAC'/
'TML(vscod)'/
'Introduction to Machine Learning (3rd sem)'/
Links/
'Local Settings'@
MLH030/
Music/
'My Documents'@
NTUSER.DAT
NTUSER.DAT{f05320f4-e21f-11ef-a983-847e60c0414a}.TM.b1f
NTUSER.DAT{f05320f4-e21f-11ef-a983-847e60c0414a}.TMcontainer00000000000000000001.regtrans-ms
NTUSER.DAT{f05320f4-e21f-11ef-a983-847e60c0414a}.TMcontainer00000000000000000002.regtrans-ms
NetHood@
OneDrive/
'PYTHON CODES'/'
PrintHood@
'python data science revision'/
Recent@
'Saved Games'/'
Searches/
SendTo@
'Start Menu'@
Templates@
Videos/
VirtualEnvironment/
arr.txt
eclipse/
eclipse-workspace/
index.html
ntuser.dat.LOG1
ntuser.dat.LOG2
ntuser.ini
'python basic revision'/'
source/
```

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|-----------------|---|
| # touch arr.txt | Creates a new empty file named arr.txt |
| # git --version | Shows the installed Git version. |
| # ls | Lists files and directories in the current directory. |

```
MINGW64/d/Full_Stack
'python basic revision'/
source/
wsl

priya@Subh_Saini MINGW64 ~ (master)
$ git init
Reinitialized existing Git repository in C:/Users/priya/.git/

priya@Subh_Saini MINGW64 ~ (master)
$ git status
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'My Documents/': Permission denied
warning: could not open directory 'Nethood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
warning: could not open directory 'Start Menu/': Permission denied
warning: could not open directory 'Templates/': Permission denied
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Desktop/git bash/gitppt.pptx
    new file:   Desktop/git bash/gitttext.txt
    new file:   Desktop/git bash/gitword.docx

Changes not staged for commit:
  (use "git add/rm <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
    deleted:    Desktop/git bash/gitppt.pptx
    deleted:    Desktop/git bash/gitttext.txt
    deleted:    Desktop/git bash/gitword.docx

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    -1.14-windows.xml
    .android/
    .bash_history
    .cache/
    .conda/
    .dotnet/
    .eclipse/
    .gitconfig
    .gk/
    .ipython/
    .jupyter/
    .lessht
    .matplotlib/
    .obs64/
```

git init Initializes a new Git repository in the current folder.

git status Displays the status of changes in the Git repository.

```
MINGW64/d/Full_Stack
ws1

priya@Subh_Saini MINGW64 ~ (master)
$ cd D:

priya@Subh_Saini MINGW64 /d
$ mkdir Full_Stack

priya@Subh_Saini MINGW64 /d
$ cd Full_Stack
bash: cd: too many arguments

priya@Subh_Saini MINGW64 /d
$ mkdir Full_Stack

priya@Subh_Saini MINGW64 /d
$ cd Full_Stack

priya@Subh_Saini MINGW64 /d/Full_Stack
$ touch arr.txt

priya@Subh_Saini MINGW64 /d/Full_Stack
$ ls
arr.txt

priya@Subh_Saini MINGW64 /d/Full_Stack
$ git init
Initialized empty Git repository in D:/Full_Stack/.git/

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
    arr.txt

nothing added to commit but untracked files present (use "git add" to track)

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git add arr.txt

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   arr.txt
```

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|--------------------|--|
| # cd D: | changes to drive D (Windows-style; not typical Linux). |
| # mkdir Full_Stack | Creates a directory named "Full_Stack". |
| # cd Full_Stack | Navigates into the "Full_Stack" directory. |
| # mkdir Full_Stack | Creates a directory named "Full_Stack". |
| # cd Full_Stack | Navigates into the "Full_Stack" directory. |
| # touch arr.txt | Creates a new empty file named arr.txt. |
| # ls | Lists files and directories. |
| # git init | Initializes a Git repo in the current directory. |
| # git status | Shows the status of your working directory and staging area. |
| # git add arr.txt | Adds arr.txt to the staging area. |
| # git status | Shows updated status after staging. |

```
MINGW64/d/Full_Stack
Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   arr.txt

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git commit -m "first commit"
[master (root-commit) 97f5e3b] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 arr.txt

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git remote add origin https://github.com/iampriyamsaini/git_demo1.git

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git push -u origin main
error: src refspec main does not match any.
error: failed to push some refs to 'origin'

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git push --force origin main
error: src refspec main does not match any.
error: failed to push some refs to 'origin'

priya@Subh_Saini MINGW64 /d/Full_Stack (master)
$ git branch -m main

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git push -u origin main
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git push --force origin main
fatal: 'origin' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git push -u origin main
to https://github.com/iampriyamsaini/git_demo1.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/iampriyamsaini/git_demo1.git'
hint: Updates were rejected because the remote contains work that you do not
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
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|--------------------------------|--|
| # git commit -m "first commit" | Commits changes with a message. |
| # git remote add orgin <url> | Adds a remote repository named "orgin" (typo of "origin"). |
| # git push -u origin main | Pushes code to the origin remote's main branch. |
| # git push --force origin main | Force-pushes current branch to origin/main. |
| # git branch -m main | Renames the current branch to "main". |
| # git push -u origin main | Pushes the renamed main branch to remote origin. |
| # git push --force origin main | Force-pushes the renamed main branch. |
| # git push -u orgin main | Pushes to "orgin" (again typo of "origin"). |
| # git push --force orgin main | Force-pushes to the wrong remote "orgin". |

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MINGW64/d/Full_Stack
hint: have locally. This is usually caused by another repository pushing to
hint: the same ref. If you want to integrate the remote changes, use
hint: 'git pull' before pushing again.
hint: see the 'Note about fast-forwards' in 'git push --help' for details.

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git push --force origin main
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 214 bytes | 107.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/iampriyamsaini/git_demo1.git
+ 739/ae...97f5c3b main -> main (forced update)

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git commit
On branch main
nothing to commit, working tree clean

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ pwd
/d/Full_Stack

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ ks
bash: ks: command not found

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ ls
arr.txt

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ cd ..

priya@Subh_Saini MINGW64 /d
$ cd Full_Stack

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ ls
arr.txt

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ mkdir priya

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ cd priya

priya@Subh_Saini MINGW64 /d/Full_Stack/priya (main)
$ ls

priya@Subh_Saini MINGW64 /d/Full_Stack/priya (main)
$ cd ..
```

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|-----------------|---------------------------------------|
| # pwd | Prints the current working directory. |
| # ls | Lists directory contents. |
| # cd .. | Moves up one directory level. |
| # cd Full_Stack | Enters Full_Stack directory. |
| # ls | Lists contents. |
| # mkdir priya | Creates a folder named priya. |
| # priya | Changes into the priya directory. |
| # ls | Lists contents (likely empty). |
| # cd .. | Goes up one level. |

```
MINGW64/d/Full_Stack
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ cd priya
priya@Subh_Saini MINGW64 /d/Full_Stack/priya (main)
$ ls
priya@Subh_Saini MINGW64 /d/Full_Stack/priya (main)
$ cd ..
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ rm -r priya
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ ls
arr.txt
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ cd priya
bash: cd: priya: No such file or directory
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ cd d
bash: cd: d: No such file or directory
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ cd ..
priya@Subh_Saini MINGW64 /d
$ cd ..
priya@Subh_Saini MINGW64 /
$ mkdir priyam
mkdir: cannot create directory 'priyam': Permission denied
priya@Subh_Saini MINGW64 /
$ cd ..
priya@Subh_Saini MINGW64 /
$ cd d
priya@Subh_Saini MINGW64 /d
$ mkdir priyam
priya@Subh_Saini MINGW64 /d
$ ls
'$RECYCLE_BIN'/'Python for data science'/'
Anaconda/'Stack/'
Arduino/'System Volume Information'/'
Blynk_Release_v1.3.2.zip ThingworxAcademicSimulatorSetup.exe*
Cadio/'VID20250606174105.mp4
chromeSetup.exe*jdk-8u202-windows-x64.exe*
Full_Stack/'mysql-installer-community-8.0.36.0.msi
'JAVA codes'/'priyam/'
```

- # rm -r priya Deletes the priya directory and its contents.
- # ls Lists contents.
- # cd priya Fails if priya was deleted.
- # cd d Enters directory named d (if exists).
- # cd .. Goes up one level.
- # mkdir priyam Creates a directory named priyam.

```
MINGW64/d/Full_Stack
'JAVA codes'/'
NLP/'
Python/'
priyam/
xampp/
xampp-windows-x64-8.2.12-0-vs16-installer.exe*

priya@Subh_Saini MINGW64 /d
$ cd priyam

priya@Subh_Saini MINGW64 /d/priyam
$ ls

priya@Subh_Saini MINGW64 /d/priyam
$ touch string.txt

priya@Subh_Saini MINGW64 /d/priyam
$ echo "Hello World my name is Priyam Saini" > string.txt

priya@Subh_Saini MINGW64 /d/priyam
$ echo "Hello World my name is Priyam Saini " > string.txt

priya@Subh_Saini MINGW64 /d/priyam
$ echo "Hello World my name is Priyam Saini Hello World" > string.txt

priya@Subh_Saini MINGW64 /d/priyam
$ echo "Hello world my name is Priyam Saini Hello world hello world" >> string.txt

priya@Subh_Saini MINGW64 /d/priyam
$ echo "Hello world my name is Priyam Saini Hello world hello world hello" >> string.txt

priya@Subh_Saini MINGW64 /d/priyam
$ cat > string2.txt
this is line 1
this is line 2

priya@Subh_Saini MINGW64 /d/priyam
$ ls
string.txt string2.txt

priya@Subh_Saini MINGW64 /d/priyam
$ cat string2.txt
this is line 1
this is line 2

priya@Subh_Saini MINGW64 /d/priyam
$ cat string1.txt
cat: string1.txt: No such file or directory

priya@Subh_Saini MINGW64 /d/priyam
$ cat string.txt
Hello World my name is Priyam Saini Hello World
Hello World my name is Priyam Saini Hello World hello world
Hello World my name is Priyam Saini Hello World hello world hello

priya@Subh_Saini MINGW64 /d/priyam
```

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|-----------------------------|--|
| # touch string.txt | Creates empty file string.txt. |
| # echo "... " > string.txt | Writes text into string.txt (overwrites if exists). |
| # echo "... " > string.txt | Same as above; replaces previous content. |
| # echo "... " > string.txt | Again overwrites content with new string. |
| # echo "... " >> string.txt | Appends text to string.txt. |
| # echo "... " >> string.txt | Appends another line. |
| # cat > string2.txt | Starts writing to string2.txt (manual input ends with Ctrl+D). |
| # ls | Lists files. |
| # cat string2.txt | Displays contents of string2.txt. |
| # cat string1.txt | Displays contents of string1.txt. |
| # cat string.txt | Displays contents of string.txt. |

```
MINGW64/d/Full_Stack
$ cat string.txt
Hello world my name is Priyam Saini Hello world
Hello world my name is Priyam Saini Hello world hello world
Hello world my name is Priyam Saini Hello world hello world hello

priya@Subh_Saini MINGW64 /d/priyam
$ rm string.txt string1.txt
rm: cannot remove 'string1.txt': No such file or directory

priya@Subh_Saini MINGW64 /d/priyam
$ mv string.txt string1.txt
mv: cannot stat 'string.txt': No such file or directory

priya@Subh_Saini MINGW64 /d/priyam
$ cat string1.txt
cat: string1.txt: No such file or directory

priya@Subh_Saini MINGW64 /d/priyam
$ cat string.txt
cat: string.txt: No such file or directory

priya@Subh_Saini MINGW64 /d/priyam
$ ls
string2.txt

priya@Subh_Saini MINGW64 /d/priyam
$ mv string2.txt string1.txt

priya@Subh_Saini MINGW64 /d/priyam
$ ls
string1.txt

priya@Subh_Saini MINGW64 /d/priyam
$ cat string1.txt
this is line 1
this is line 2

priya@Subh_Saini MINGW64 /d/priyam
$ cat > string2.txt
hello world
my name is priyam

priya@Subh_Saini MINGW64 /d/priyam
$ ls
string1.txt string2.txt

priya@Subh_Saini MINGW64 /d/priyam
$ mv string1.txt /d

priya@Subh_Saini MINGW64 /d/priyam
$ ls
string2.txt
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|------------------------------|---|
| # rm string.txt string1.txt | Deletes both string.txt and string1.txt. |
| # mv string.txt string1.txt | Renames or moves string.txt to string1.txt. |
| # cat string1.txt | Displays contents of string1.txt. |
| # cat string.txt | Fails if string.txt was renamed or deleted. |
| # ls | Lists files. |
| # mv string2.txt string1.txt | Overwrites string1.txt with string2.txt. |
| # ls | Lists files. |
| # cat string1.txt | Displays content of string1.txt. |
| # cat > string2.txt | Starts editing string2.txt manually. |
| # ls | Lists files. |
| # mv string1.txt /d | Moves string1.txt to /d directory. |


```
MINGW64/d/Full_Stack
string2.txt
priya@Subh_Saini MINGW64 /d/priyam
$ cd ..
priya@Subh_Saini MINGW64 /d
$ ls
'$RECYCLE.BIN'/'      'Stack/'
Anaconda/'            'System Volume Information'/'
Arduino/'             'ThingworxAcademicsSimulatorSetup.exe*'
Blynk_Release_v1.3.2.zip  VID20250606174105.mp4
Cadio/'               'jdk-8u202-windows-x64.exe*'
ChromeSetup.exe*         mysql-installer-community-8.0.36.0.msi
Full_Stack/'            priyam/
'JAVA codes'/'          string1.txt
NLP/'                  xampp/
Python/'                'xampp-windows-x64-8.2.12-0-VS16-installer.exe*'
'Python for data science'/'
priya@Subh_Saini MINGW64 /d
$ mv string1.txt/priyam
mv: missing destination file operand after 'string1.txt/priyam'
Try 'mv --help' for more information.
priya@Subh_Saini MINGW64 /d
$ mv string1.txt /priyam
mv: cannot create regular file '/priyam': Permission denied
priya@Subh_Saini MINGW64 /d
$
priya@Subh_Saini MINGW64 /d
$ mv string1.txt /d/priyam
priya@Subh_Saini MINGW64 /d
$ ls
'$RECYCLE.BIN'/'      'Python for data science'/'
Anaconda/'            'Stack/'
Arduino/'             'System Volume Information'/'
Blynk_Release_v1.3.2.zip  'ThingworxAcademicsSimulatorSetup.exe*'
Cadio/'               'VID20250606174105.mp4'
ChromeSetup.exe*         'jdk-8u202-windows-x64.exe*'
Full_Stack/'            'mysql-installer-community-8.0.36.0.msi'
'JAVA codes'/'          'priyam/'
NLP/'                  'xampp/'
Python/'                'xampp-windows-x64-8.2.12-0-VS16-installer.exe*'
'Python for data science'/'
priya@Subh_Saini MINGW64 /d
$ cd priyam
priya@Subh_Saini MINGW64 /d/priyam
$ ls
```

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|----------------------------|-------------------------------------|
| # cd .. | Goes up one directory. |
| # ls | Lists files. |
| # mv string1.txt/priyam | Invalid path (mistake). |
| # mv string1.txt /priyam | Moves file to /priyam (must exist). |
| # mv string1.txt /d/priyam | Moves file to /d/priyam folder. |
| # ls | Lists contents. |
| # cd priyam | Enters priyam folder. |
| # ls | Lists files |

```
MINGW64/d/Full_Stack
priya@Subh_Saini MINGW64 /d
$ cd priyam
priya@Subh_Saini MINGW64 /d/priyam
$ ls
string1.txt string2.txt
priya@Subh_Saini MINGW64 /d/priyam
$ cp string1.txt
cp: missing destination file operand after 'string1.txt'
Try 'cp --help' for more information.
priya@Subh_Saini MINGW64 /d/priyam
$ cat string1.txt
this is line 1
this is line 2
priya@Subh_Saini MINGW64 /d/priyam
$ cp string1.txt copied_string1.txt
priya@Subh_Saini MINGW64 /d/priyam
$ ls
copied_string1.txt string1.txt string2.txt
priya@Subh_Saini MINGW64 /d/priyam
$ cat copied_string1.txt
this is line 1
this is line 2
priya@Subh_Saini MINGW64 /d/priyam
$ cp string1.txt copied_string1.txt /d
priya@Subh_Saini MINGW64 /d/priyam
$ ls
copied_string1.txt string1.txt string2.txt
priya@Subh_Saini MINGW64 /d/priyam
$ cd ..
priya@Subh_Saini MINGW64 /d
$ ls
'RECYCLE.BIN'/' Stack/
Anaconda/' System Volume Information/'
Arduino/' ThingworxAcademicsSimulatorSetup.exe*
8lynk_Release_v1.3.2.zip VID20250606174105.mp4
caddy/ copied_string1.txt
ChromeSetup.exe* jdk-8u202-windows-x64.exe*
Full_Stack/ mysql-installer-community-8.0.36.0.msi
'JAVA codes'/' priyam/
NLP/ string1.txt
Python/ xampp/
'Python for data science'/' xampp-windows-x64-8.2.12-0-VS16-installer.exe*
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|--|--|
| # cp string1.txt | Incomplete copy command (missing destination). |
| # cat string1.txt | Displays string1.txt. |
| # cp string1.txt copied_string1.txt | Copies string1.txt to copied_string1.txt. |
| # ls | Lists contents. |
| # cat copied_string1.txt | Displays the copied file. |
| # cp string1.txt copied_string1.txt /d | Incorrect usage (should copy to a directory). |
| # ls | Lists contents. |
| # cd .. | Goes up one level. |

```
MINGW64/d/Full_Stack
'Python for data science' xampp-windows-x64-8.2.12-0-VS16-installer.exe*
priya@Subh_Saini MINGW64 /d
$ cd priyam
priya@Subh_Saini MINGW64 /d/priyam
$ ls
copied_string1.txt string1.txt string2.txt
priya@Subh_Saini MINGW64 /d/priyam
$ nano string1.txt
priya@Subh_Saini MINGW64 /d/priyam
$ cat string1.txt
hello nakul
priya@Subh_Saini MINGW64 /d/priyam
$ git branch
fatal: not a git repository (or any of the parent directories): .git
priya@Subh_Saini MINGW64 /d/priyam
$ cd main
bash: cd: main: No such file or directory
priya@Subh_Saini MINGW64 /d/priyam
$ git branch main
fatal: not a git repository (or any of the parent directories): .git
priya@Subh_Saini MINGW64 /d/priyam
$ git branch -m main
fatal: not a git repository (or any of the parent directories): .git
priya@Subh_Saini MINGW64 /d/priyam
$ cd full_stack
bash: cd: too many arguments
priya@Subh_Saini MINGW64 /d/priyam
$ cd Full_Stack
bash: cd: Full_Stack: No such file or directory
priya@Subh_Saini MINGW64 /d/priyam
$ cd ..
priya@Subh_Saini MINGW64 /d
$ cd Full_Stack
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git clone https://github.com/iampriyamsaini/git_demo1
Cloning into 'git_demo1'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
```

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|----------------------|--|
| # nano string1.txt | Opens string1.txt in the nano text editor. |
| # cat string1.txt | Displays contents of string1.txt. |
| # git branch | Lists local branches. |
| # cd main | Tries to enter directory named "main". |
| # git branch main | Creates a new branch named "main". |
| # git branch -m main | Renames current branch to "main". |
| # cd Full_Stack | Enters Full_Stack directory. |
| # cd .. | Goes up one level. |
| # cd Full_Stack | Enters Full_Stack again. |
| # git clone <repo> | Clones a remote Git repository to local. |

```
MINGW64/d/Full_Stack
priya@Subh_Saini MINGW64 /d/priyam
$ git branch -m main
fatal: not a git repository (or any of the parent directories): .git

priya@Subh_Saini MINGW64 /d/priyam
$ cd full_stack
bash: cd: too many arguments

priya@Subh_Saini MINGW64 /d/priyam
$ cd Full_Stack
bash: cd: Full_Stack: No such file or directory

priya@Subh_Saini MINGW64 /d/priyam
$ cd ..

priya@Subh_Saini MINGW64 /d
$ cd Full_Stack

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git clone https://github.com/iampriyamsaini/git_demo1
Cloning into 'git_demo1'...
remote: Enumerating objects: 6, done.
remote: Counting objects: 100% (6/6), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 6 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (6/6), 24.34 KiB | 470.00 KiB/s, done.

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git branch
* main

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git branch demo

priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git branch
* main
  demo

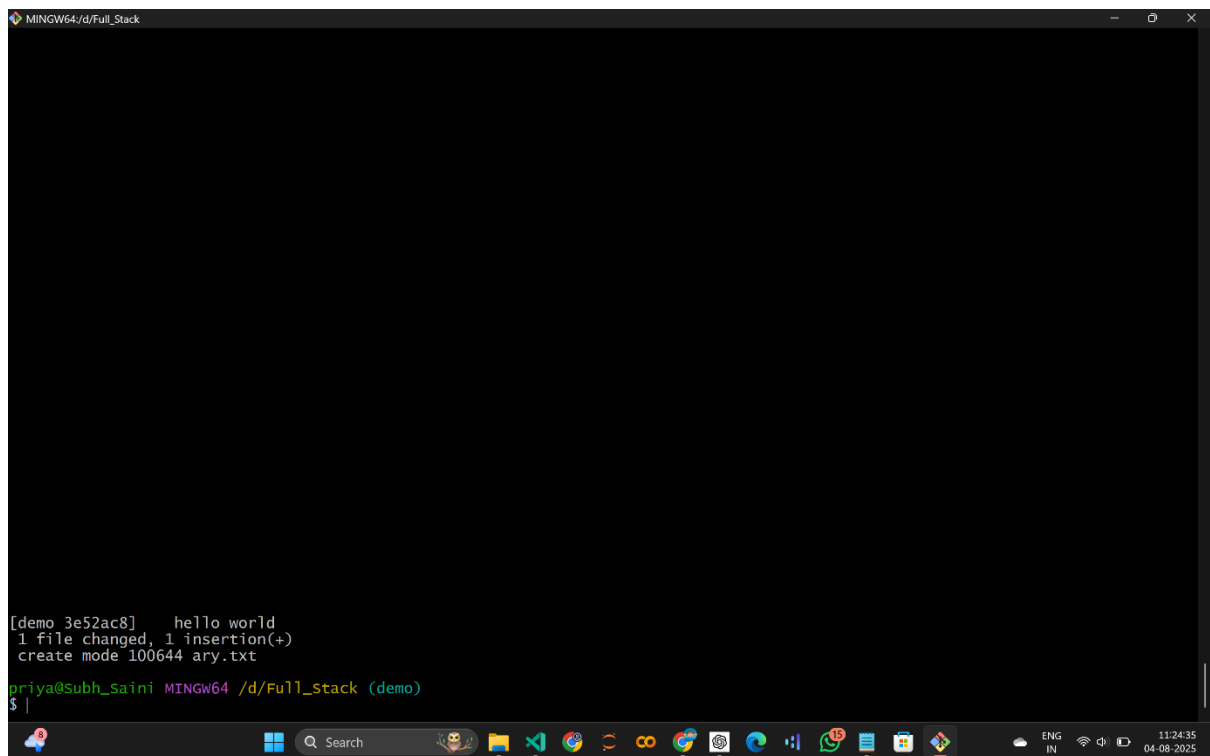
priya@Subh_Saini MINGW64 /d/Full_Stack (main)
$ git checkout demo
Switched to branch 'demo'

priya@Subh_Saini MINGW64 /d/Full_Stack (demo)
$ git log
commit 97f5c3b424696142c52c5afa2c1884a0ea962858 (HEAD -> demo, origin/main, main)
Author: Priyam Saini <priyamsaini9@gmail.com>
Date: Mon Aug 4 09:06:59 2025 +0530

    first commit

priya@Subh_Saini MINGW64 /d/Full_Stack (demo)
$
```

- | | |
|---------------------|-----------------------------------|
| # git branch demo | Creates a new branch called demo. |
| # git branch | Shows all branches. |
| # git checkout demo | Switches to demo branch. |
| # git log | Shows commit history. |



```
MINGW64:/d/Full_Stack

[demo 3e52ac8] hello world
1 file changed, 1 insertion(+)
create mode 100644 ary.txt
priya@Subh_Saini MINGW64 /d/Full_Stack (demo)
$ |
```

- | | |
|-----------------------|---------------------------------------|
| # touch ary.txt | Creates an empty file named ary.txt. |
| # echo "... " ary.txt | Writes text to ary.txt. |
| # git add ary.txt | Stages ary.txt for commit. |
| # git commit | Opens editor to write commit message. |

● **JAVA PROGRAM**

```
MINGW64/c/Users/priya
priya@Subh_Saini MINGW64 ~ (master)
$ touch PalindromeChecker.java

priya@Subh_Saini MINGW64 ~ (master)
$ nano PalindromeChecker.java

priya@Subh_Saini MINGW64 ~ (master)
$ javac PalindromeChecker.java
PalindromeChecker.java:12: error: unmappable character for encoding cp1252
    System.out.println("r?i Not a palindrome.");
                        ^
1 error

priya@Subh_Saini MINGW64 ~ (master)
$ java PalindromeChecker
Error: could not find or load main class PalindromeChecker

priya@Subh_Saini MINGW64 ~ (master)
$ ^C

priya@Subh_Saini MINGW64 ~ (master)
$ nano PalindromeChecker.java

priya@Subh_Saini MINGW64 ~ (master)
$ javac PalindromeChecker.java

priya@Subh_Saini MINGW64 ~ (master)
$ java PalindromeChecker
Enter a word: 1234742
Not a palindrome.

priya@Subh_Saini MINGW64 ~ (master)
$ java PalindromeChecker
Enter a word: 1234321
It is a palindrome.

priya@Subh_Saini MINGW64 ~ (master)
$ |
```

# touch PalindromeChecker.java	Creates an empty Java file.
# nano PalindromeChecker.java	Opens Java file in nano editor.
# javac PalindromeChecker.java	Compiles Java program.
# java PalindromeChecker	Runs compiled Java program.
# nano PalindromeChecker.java	Opens Java file again.
# javac PalindromeChecker.java	Re-compiles after edits.
# java PalindromeChecker	Executes the program.
# java PalindromeChecker	Runs Java program again.