Name :Santanu Kumar Nayak   Regd No:2141014096

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git (main)
$ mkdir Assignment2

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git (main)
$ ls
Assignment2/

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git (main)
$ cd Assignment2

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git log
fatal: your current branch 'main' does not have any commits yet

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git config --global user.name "Santanu "

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git config --global user.email "kumarnayaksantanu87@gmail.com"

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git config --global user.regdno "2141014096"

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git config --global user.regdno
2141014096

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ |
```
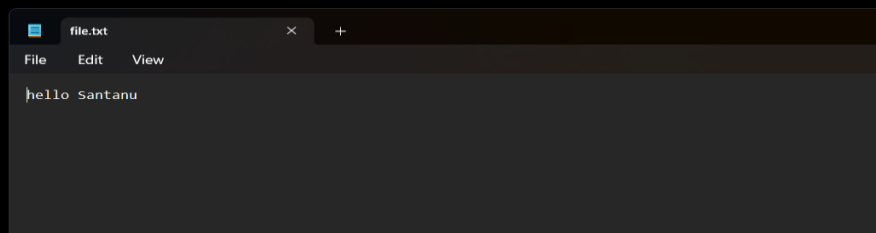
```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ echo hello Santanu >> file.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ |
```

```
file.txt                    ×    +
File   Edit   View

hello Santanu
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ echo hello Santanu >> file.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git add file.txt
warning: in the working copy of 'OneDrive/Desktop/Git/Assignment2/file.txt', LF will be replaced by CRLF
the next time Git touches it

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git commit -m "file.txt committed successfully"
[main (root-commit) 75beaca] file.txt committed successfully
 1 file changed, 1 insertion(+)
 create mode 100644 OneDrive/Desktop/Git/Assignment2/file.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git log
commit 75beaca37889031aac279a2b02e1bcc352a108fa (HEAD -> main)
Author: Santanu <kumarnayaksantanu87@gmail.com>
Date:    Thu Apr 3 11:00:28 2025 +0530

    file.txt committed successfully

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git ls-files
file.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git branch "Wipro"

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git branch
HEAD       Wipro     main

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git checkout "Wipro"
Switched to branch 'Wipro'

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ |
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ echo "updating file1" >> file1.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ git add file1.txt
warning: in the working copy of 'OneDrive/Desktop/Git/Assignment2/file1.txt', LF will be replaced by CRLF
 the next time Git touches it

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ git commit -m "updated file1 in wipro branch successfully"
[Wipro c8fc3af] updated file1 in wipro branch successfully
 1 file changed, 1 insertion(+)
 create mode 100644 OneDrive/Desktop/Git/Assignment2/file1.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ |
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ git log
commit c8fc3afbc3732f9901bff9a68d3c82f5e144990b (HEAD -> Wipro)
Author: Santanu <kumarnayaksantanu87@gmail.com>
Date:    Thu Apr 3 11:05:14 2025 +0530

    updated file1 in wipro branch successfully

commit 75beaca37889031aac279a2b02e1bcc352a108fa (main)
Author: Santanu <kumarnayaksantanu87@gmail.com>
Date:    Thu Apr 3 11:00:28 2025 +0530

    file.txt committed successfully

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ git branch
HEAD     Wipro     main

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (Wipro)
$ git checkout "main"
Switched to branch 'main'

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ echo "file1 in main branch " >> file1.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git add file1.txt
warning: in the working copy of 'OneDrive/Desktop/Git/Assignment2/file1.txt', LF will be replaced by CRLF
 the next time Git touches it

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git commit -m "file1 committed in main branch successfully"
[main 875e45c] file1 committed in main branch successfully
 1 file changed, 1 insertion(+)
 create mode 100644 OneDrive/Desktop/Git/Assignment2/file1.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git log
commit 875e45c9d11f4ae0f1b9abde2b77e0f3399b8eaf (HEAD -> main)
Author: Santanu <kumarnayaksantanu87@gmail.com>
Date:   Thu Apr 3 11:10:19 2025 +0530

    file1 committed in main branch successfully

commit 75beaca37889031aac279a2b02e1bcc352a108fa
Author: Santanu <kumarnayaksantanu87@gmail.com>
Date:   Thu Apr 3 11:00:28 2025 +0530

    file.txt committed successfully

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$ git merge "Wipro"
Auto-merging OneDrive/Desktop/Git/Assignment2/file1.txt
CONFLICT (add/add): Merge conflict in OneDrive/Desktop/Git/Assignment2/file1.txt
Automatic merge failed; fix conflicts and then commit the result.

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main|MERGING)
$
```

```
kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main|MERGING)
$ git add file1.txt

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main|MERGING)
$ git commit -m "merge confit issue solved "
[main b81a044] merge confit issue solved

kumar@LAPTOP-AOJ419VB MINGW64 ~/OneDrive/Desktop/Git/Assignment2 (main)
$
```