

Step 1 — Setting up Git Configuration

1.1 Check Git installation

```
Command Prompt
Microsoft Windows [Version 10.0.22635.5305]
(c) Microsoft Corporation. All rights reserved.

C:\Users\salma>git --version
git version 2.50.1.windows.1
```

1.2 Configure your Git username and email

```
C:\Users\salma>git config --global user.name "salmali922"

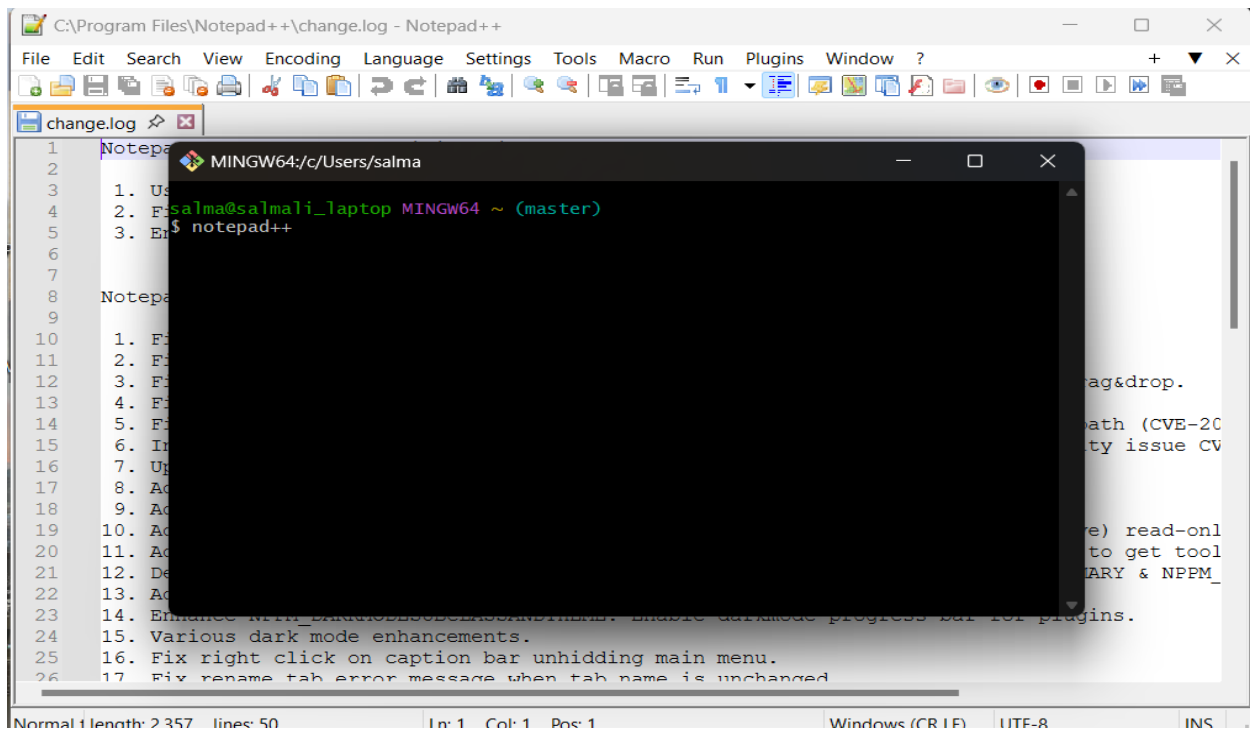
C:\Users\salma>git config --global user.email "salmalisamanta10@gmail.com"
```

1.3 Verify configuration

```
C:\Users\salma>git config --list
diff.astextplain.textconv=astextplain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
http.sslbackend=schannel
core.autocrlf=true
core.fscache=true
core.symlinks=false
pull.rebase=false
credential.helper=manager
credential.https://dev.azure.com.usehttppath=true
init.defaultbranch=master
user.email=salmalisamanta10@gmail.com
user.name=salmali922
core.editor="C:\Users\salma\AppData\Local\Programs\Microsoft VS Code\bin\code" --wait
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
```

Step 2 — Make Notepad++ Your Default Git Editor

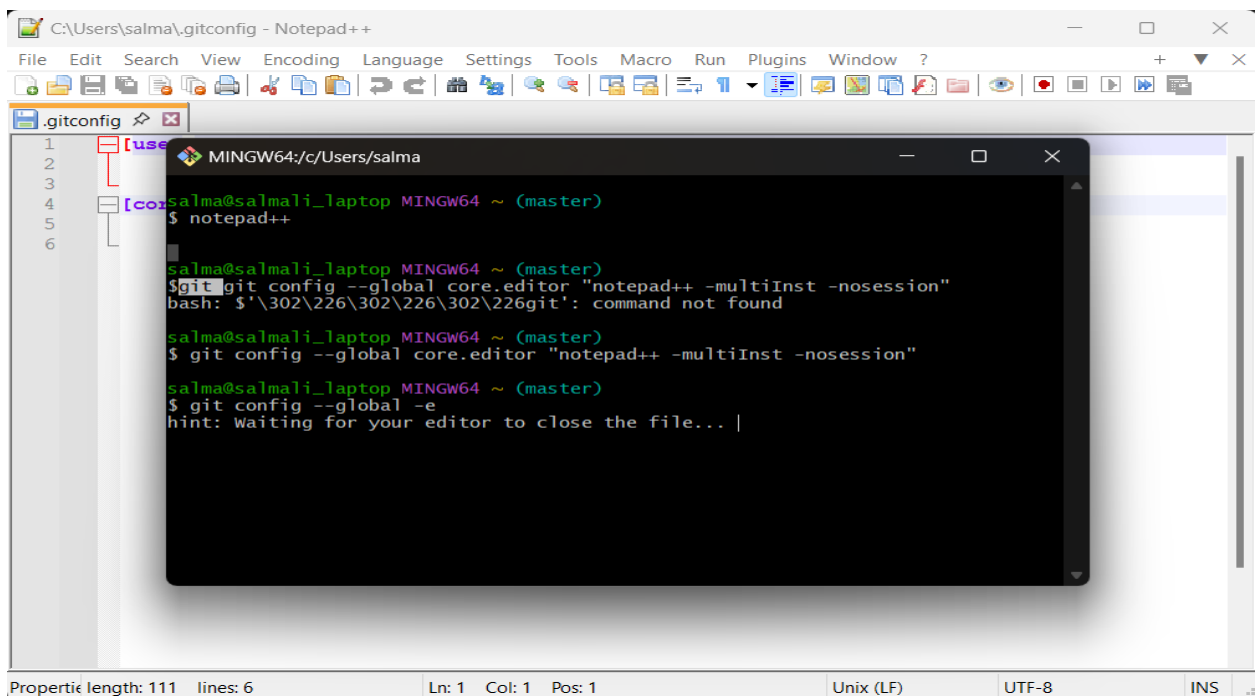
2.1 Check if Notepad++ runs from Git Bash



2.2 Set Notepad++ as Git's default editor

```
salma@salmaali_laptop MINGW64 ~ (master)
$ git config --global core.editor "notepad++ -multiInst -nosession"
```

2.3 Verify the editor is set



Step 3 — Create and Add a File to a Git Repository

3.1 Create a project folder

```
salma@salмали_laptop MINGW64 ~ (master)
$ cd GitDemo
```

3.2 Initialize the Git repository

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ git init
Reinitialized existing Git repository in C:/Users/salma/GitDemo/.git/
```

3.3 Verify repository initialization

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ ls -a
./ ../ .git/ welcome.txt
```

3.4 Create a file

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ echo "Welcome to Git Demo" > welcome.txt
```

3.5 Check if file exists

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ ls
welcome.txt
```

3.6 View file content

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ cat welcome.txt
Welcome to Git Demo
```

3.7 Check Git status

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   welcome.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

3.8 Track the file

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ git add welcome.txt
warning: in the working copy of 'welcome.txt', LF will be replaced by CRLF the n
ext time Git touches it
```

3.9 Commit the file

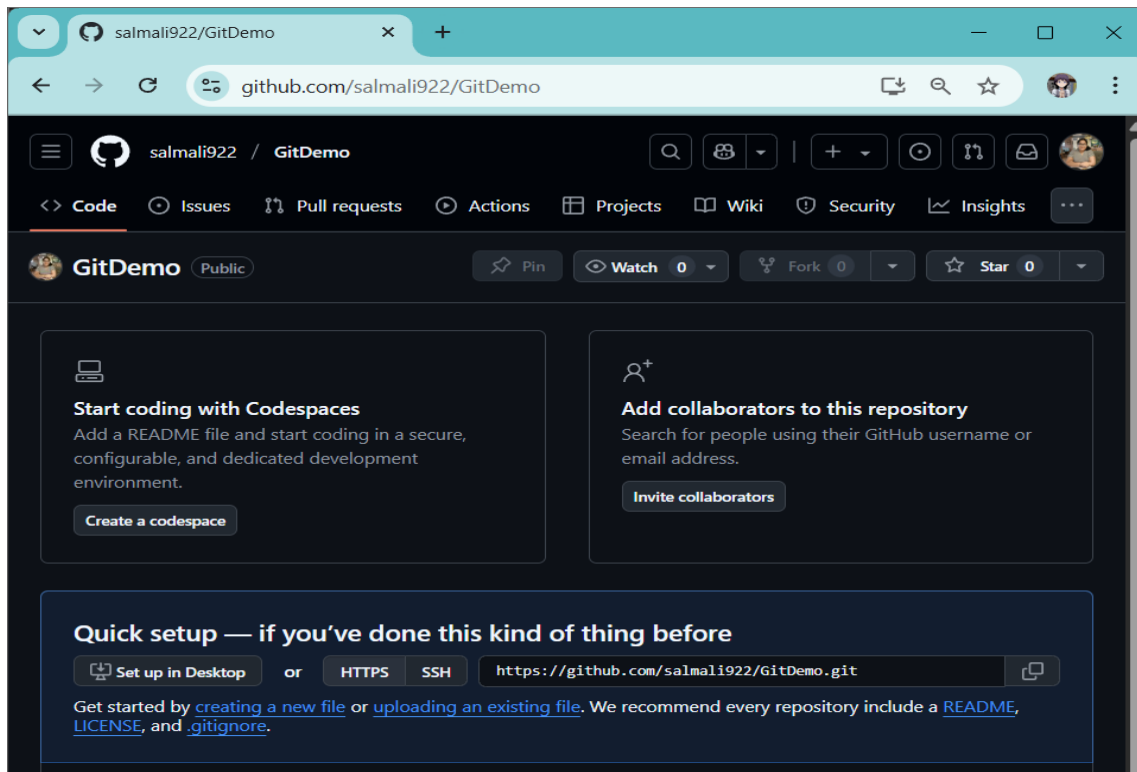
```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ git commit -m "Add welcome.txt"
[master e445875] Add welcome.txt
1 file changed, 1 insertion(+), 1 deletion(-)
```

3.10 Verify

```
salma@salмали_laptop MINGW64 ~/GitDemo (master)
$ git status
On branch master
nothing to commit, working tree clean
```

Step 4 — Push to GitHub

4.1 Create a new repository on GitHub



4.2 Link local repo to remote

```
salma@salmali_laptop MINGW64 ~/GitDemo (master)
$ git remote add origin https://github.com/salmali922/GitDemo.git
```

4.3 Push local to remote

```
salma@salmali_laptop MINGW64 ~/GitDemo (master)
$ git push -u origin master
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 16 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (6/6), 500 bytes | 166.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/salmali922/GitDemo.git
 * [new branch]      master -> master
branch 'master' set up to track 'origin/master'.
```

4.4 Check on GitHub

The screenshot shows the GitHub interface for the repository 'salmali922 / GitDemo'. The repository is public and has 0 watches, 0 forks, and 0 stars. The main branch is 'master'. A recent commit by 'salmali922' is shown, titled 'Add welcome.txt', with commit hash 'e445875' and a timestamp of '10 minutes ago'. The commit details show a file named 'welcome.txt' with the message 'Add welcome.txt' and a timestamp of '10 minutes ago'. The 'About' section on the right indicates that no description, website, or topics have been provided.