

ASSIGNMENT-1

Assignment 1: Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

Step1: Initialize the repository:

- Run the git init command in the terminal to create a new Git repository.

Step 2: Create a Simple Text File

- echo command outputs the string "This is my first commit" and the > operator redirects this output into a new file named README.txt.

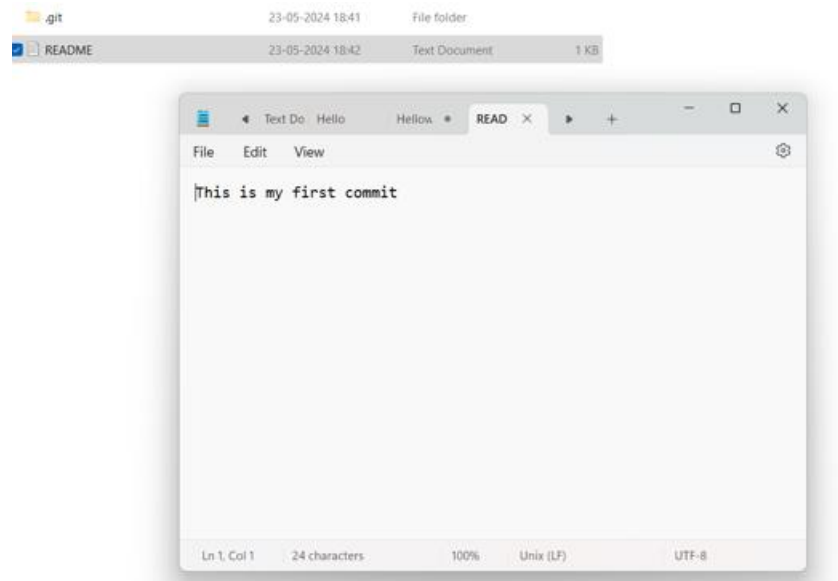
A screenshot of a Windows Command Prompt window titled "MINGW64/d/WiproTraining/Git&Github". The terminal shows the following commands and output:

```
yashasreeBLAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github
$ git init
Initialized empty Git repository in D:/wiproTraining/Git&Github/.git/
yashasreeBLAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ echo "This is my first commit" > README.txt
yashasreeBLAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$
```

Step 3: Add the File to the Staging Area

```
MINGW64/d/WiproTraining/Git&Github
yashasreeBLAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github
$ git init
Initialized empty Git repository in D:/WiproTraining/Git&Github/.git/
yashasreeBLAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ echo "This is my first commit" > README.txt
yashasreeBLAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git add README.txt
warning: in the working copy of 'README.txt', LF will be replaced by CRLF the next time Git touches it
yashasreeBLAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$
```

Step 5: Now here added the file



```
MINGW64:/d/WiproTraining/Git&Github

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github
$ git init
Initialized empty Git repository in D:/WiproTraining/Git&Github/.git/

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ echo "This is my first commit" > README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git add README.txt
warning: in the working copy of 'README.txt', LF will be replaced by CRLF the next time Git touches it

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git commit -m "Initial commit with README.txt"
[master (root-commit) ddd5baa] Initial commit with README.txt
1 file changed, 1 insertion(+)
create mode 100644 README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$
```

Step 5: Commit the Changes

- The git commit command creates a new commit from the changes in the staging area. The -m flag allows you to add a commit message, in this case, "Initial commit with README.txt".

Step 6: List All Branches

- The git branch command lists all the branches in the repository. The * indicates the current branch, which is master.

```
MINGW64:/d/WiproTraining/Git&Github

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github
$ git init
Initialized empty Git repository in D:/WiproTraining/Git&Github/.git/

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ echo "This is my first commit" > README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git add README.txt
warning: in the working copy of 'README.txt', LF will be replaced by CRLF the next time Git touches it

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git commit -m "Initial commit with README.txt"
[master (root-commit) ddd5baa] Initial commit with README.txt
1 file changed, 1 insertion(+)
create mode 100644 README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git branch
* master

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$
```

Step 7: Create a New Branch

The git branch feature command creates a new branch named feature.

```
MINGW64/d/WiproTraining/Git&Github

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github
$ git init
Initialized empty Git repository in D:/WiproTraining/Git&Github/.git/

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ echo "This is my first commit" > README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git add README.txt
warning: in the working copy of 'README.txt', LF will be replaced by CRLF the next time Git touches it

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git commit -m "Initial commit with README.txt"
[master (root-commit) ddd5baa] Initial commit with README.txt
1 file changed, 1 insertion(+)
create mode 100644 README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git branch
* master

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$ git branch feature

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/WiproTraining/Git&Github (master)
$
```

Step 8: Switch to the New Branch

- The git checkout feature command switches the current working branch to feature. This means any new commits will be made on the feature branch.

Step 9: Verify the Branch Switch

- Running git branch again lists all branches and shows that feature is now the current branch (indicated by the *).

MINGW64/d/WiproTraining/Git&Github

```
yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github
$ git init
Initialized empty Git repository in D:/wiproTraining/Git&Github/.git/

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (master)
$ echo "This is my first commit" > README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (master)
$ git add README.txt
warning: in the working copy of 'README.txt', LF will be replaced by CRLF the next time Git touches it

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (master)
$ git commit -m "Initial commit with README.txt"
[master (root-commit) ddd5baa] Initial commit with README.txt
1 file changed, 1 insertion(+)
create mode 100644 README.txt

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (master)
$ git branch
* master

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (master)
$ git branch feature

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (master)
$ git branch checkout feature

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (master)
$ git checkout feature
Switched to branch 'feature'

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (feature)
$ git branch
checkout
* feature
master

yashasree@LAPTOP-LEENCKP1 MINGW64 /d/wiproTraining/Git&Github (feature)
$ |
```