

Name – Vikas Srivastava

Topic – Git/Github Assignment : 01

Batch - DATACOM+5G Dev

Batch Id - 25SUB4505

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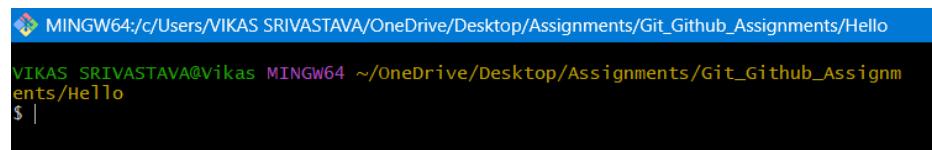
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**Assignment 1:** Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

**Solution :** To initialize a new Git repository in a directory of my choice the steps are as follows :

1. First create a folder anywhere in your system. Example : Hello



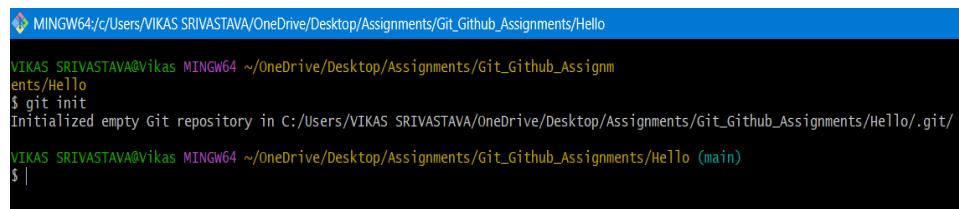
```
MINGW64:/c/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello  
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello  
$ |
```

2. Open the command prompt or Git Bash and navigate to the Hello folder.

3. Run the command:

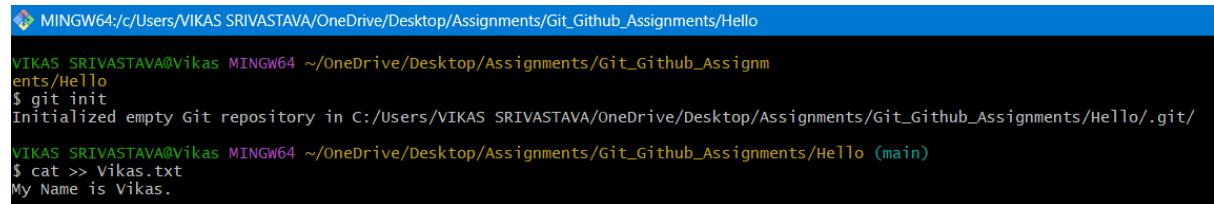
- **git init**

- It converts a normal folder into a Git repository.



```
MINGW64:/c/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello  
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello  
$ git init  
Initialized empty Git repository in C:/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello/.git/  
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello (main)  
$ |
```

4. Create a simple text file inside the folder, for example vikas.txt.



```
MINGW64:/c/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello  
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello  
$ git init  
Initialized empty Git repository in C:/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello/.git/  
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments>Hello (main)  
$ cat >> vikas.txt  
My Name is Vikas.
```

5. Now connect the local repo to github.

- ***git remote add origin "github-link"***

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments/Hello
$ git init
Initialized empty Git repository in C:/Users/VIKAS SRIVASTAVA/OneDrive/Desktop/Assignments/Git_Github_Assignments/Hello/.git/
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments/Hello (main)
$ cat >> Vikas.txt
My Name is Vikas.
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments/Hello (main)
$ git remote add origin https://github.com/Vikas-Srivastava-10
```

6. Add the file to the staging area using:

- ***git add .***

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments/Hello (main)
$ git add .
```

7. Check the repository status using:

- ***git status***

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments/Hello (main)
$ git status
On branch main
No commits yet

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

8. Configure Git user identity (only required once):

- ***git config --global user.name "Your Name"***
- ***git config --global user.email "youremail@gmail.com"***

9. Make the first commit using:

- ***git commit -m "Initial commit"***

```
VIKAS SRIVASTAVA@Vikas MINGW64 ~/OneDrive/Desktop/Assignments/Git_Github_Assignments/Hello (main)
$ git commit -m "New File added"
[main (root-commit) 8c7f128] New File added
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Vikas.txt
```