Experiment No. 1

Title : Exploring Git Commands through Collaborative Coding.

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Navigate to Your Desired Directory :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 ~
$ cd D:

OMKAR@LAPTOP-UU9CTA9O MINGW64 /d
$ cd DS-code

OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code
```

Initialize a New Git Repository :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code
$ git init
Initialized empty Git repository in D:/DS-Code/.git/
```

Check the Status :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git status
On branch master

No commits yet

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

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

Stage the Changes :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git add Bsort.java
```

Commit the Changes :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git commit -m "Add content to Bsort.java"
[master (root-commit) 397a812] Add content to Bsort.java
 1 file changed, 28 insertions(+)
 create mode 100644 Bsort.java
```

Check the Status Again :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Isort.java

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

View Differences :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git diff
```

View Commit History :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git log
commit 397a8128bc7c44552ccae4d7efb01544e03ed0b6 (HEAD -> master)
Author: Omkar <onkarkamreddi373@gmail.com>
Date:   Sat Oct 12 10:05:26 2024 +0530

    Add content to Bsort.java
```
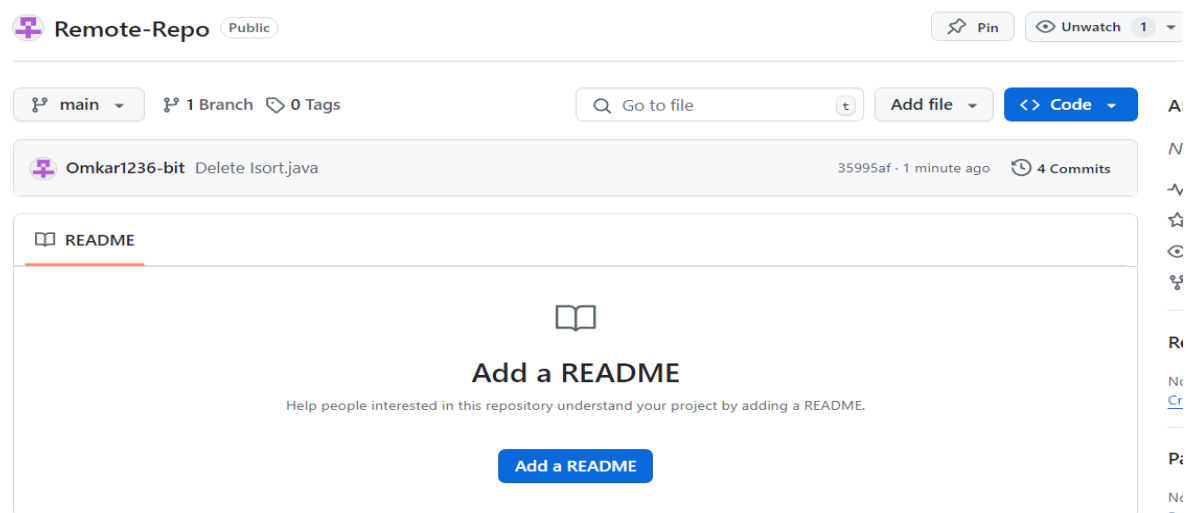
Create and Switch to a New Branch :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git checkout -b feature
Switched to a new branch 'feature'
```

Switch Back to the master Branch :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (feature)
$ git checkout master
Switched to branch 'master'
```

Creating new repository on GitHub :

Link Your Local Repository to the Remote :

```
OMKAR@LAPTOP-UU9CTA9O MINGW64 /d/DS-code (master)
$ git remote add origin https://github.com/Omkar1236-bit/Remote-Repo.git
```

Push Local Commits to Remote :

After Push Remote-Repo become :

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