

GIT – FUNDAMENTALS: ASSIGNMENT 1:

Problem Statement 1: Initializing a repository

1. Create a new directory for a project and initialize it as a Git repository.
2. Add a few files to the project, and make the initial commit.

Learning Outcomes:

1. Understand the process of initializing a Git repository.
2. Learn to add files to the staging area and commit changes.

Git code snapshots:

```
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git status
On branch master

No commits yet

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

PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git add .
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git status
On branch master

No commits yet

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

PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git commit -m "First Commit"
[master (root-commit) a34b453] First Commit
 2 files changed, 12 insertions(+)
 create mode 100644 ASSIGNMENT-01/index.html
 create mode 100644 ASSIGNMENT-01/test.txt
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git status
On branch master
nothing to commit, working tree clean
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git add .
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git commit -m "new file added"
[master cae3364] new file added
 1 file changed, 1 insertion(+)
 create mode 100644 ASSIGNMENT-01/text.txt
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git log --oneline
cae3364 (HEAD -> master) new file added
a34b453 First Commit
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git push
fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use
```

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To have this happen automatically for branches without a tracking upstream, see 'push.autoSetupRemote' in 'git help config'.

```
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git push origin master
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (9/9), 766 bytes | 766.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (2/2), done.
To https://github.com/Rashmi-kumari5/L2-COURSE-3.git
 * [new branch]      master -> master
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> git status
On branch master
nothing to commit, working tree clean
PS C:\Users\Rashmi\UST\L2_Course_3\ASSIGNMENT-01> |
```