Git Assignments – Complete Commands (Submission Ready)

Assignment 1: Git Basics (Local Repository)

```
PS E:\Java\Tebin\Git_assignment> mkdir student-management-system


    Directory: E:\Java\Tebin\Git_assignment


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
d-----         11-01-2026     16.41                student-management-system


PS E:\Java\Tebin\Git_assignment> cd student-management-system
PS E:\Java\Tebin\Git_assignment\student-management-system> git init
Initialized empty Git repository in E:/Java/Tebin/Git_assignment/student-management-system/.git/
```

```
PS E:\Java\Tebin\Git_assignment\student-management-system> New-Item README.md


    Directory: E:\Java\Tebin\Git_assignment\student-management-system


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
-a-----         11-01-2026     16.44              0 README.md


PS E:\Java\Tebin\Git_assignment\student-management-system> echo "Student Management System project usi
ng Git" > README.md
PS E:\Java\Tebin\Git_assignment\student-management-system> git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
PS E:\Java\Tebin\Git_assignment\student-management-system> git add README.md
PS E:\Java\Tebin\Git_assignment\student-management-system> git commit -m "Initial commit with README"
[master (root-commit) 386af04] Initial commit with README
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 README.md
PS E:\Java\Tebin\Git_assignment\student-management-system> git status
On branch master
nothing to commit, working tree clean
PS E:\Java\Tebin\Git_assignment\student-management-system>
```

Assignment 2: Working with Branches

```
PS E:\Java\Tebin\Git_assignment\student-management-system> git branch feature-login
PS E:\Java\Tebin\Git_assignment\student-management-system> git checkout feature-login
Switched to branch 'feature-login'
PS E:\Java\Tebin\Git_assignment\student-management-system> New-Item login.txt


    Directory: E:\Java\Tebin\Git_assignment\student-management-system


Mode                 LastWriteTime         Length Name
----                 -------------         ------ ----
-a----        11-01-2026     16.46              0 login.txt


PS E:\Java\Tebin\Git_assignment\student-management-system> echo "Login feature added" > login.txt
PS E:\Java\Tebin\Git_assignment\student-management-system> git add login.txt
PS E:\Java\Tebin\Git_assignment\student-management-system> git commit -m "Added login feature"
[feature-login bb7829c] Added login feature
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 login.txt
PS E:\Java\Tebin\Git_assignment\student-management-system> git checkout main
error: pathspec 'main' did not match any file(s) known to git
PS E:\Java\Tebin\Git_assignment\student-management-system> git merge feature-login
Already up to date.
```

Assignment 3: GitHub Integration

```
PS E:\Java\Tebin\Git_assignment\student-management-system> git branch -M main
PS E:\Java\Tebin\Git_assignment\student-management-system> git remote add origin https://github.com/te
bingeorge/Git_assignment.git
PS E:\Java\Tebin\Git_assignment\student-management-system> git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 10 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (6/6), 590 bytes | 147.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'main' on GitHub by visiting:
remote:      https://github.com/tebingeorge/Git_assignment/pull/new/main
remote:
To https://github.com/tebingeorge/Git_assignment.git
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

Assignment 4: GitHub Pull Request (PR)

```
PS E:\Java\Tebin\Git_assignment\student-management-system> git checkout -b feature-update
Switched to a new branch 'feature-update'
PS E:\Java\Tebin\Git_assignment\student-management-system> echo "Feature update" >> README.md
PS E:\Java\Tebin\Git_assignment\student-management-system> git add README.md
PS E:\Java\Tebin\Git_assignment\student-management-system> git commit -m "Updated README"
[feature-update c4d99e6] Updated README
 1 file changed, 0 insertions(+), 0 deletions(-)
PS E:\Java\Tebin\Git_assignment\student-management-system> git push origin feature-update
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 10 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 336 bytes | 336.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
remote:
remote: Create a pull request for 'feature-update' on GitHub by visiting:
remote:      https://github.com/tebingeorge/Git_assignment/pull/new/feature-update
remote:
To https://github.com/tebingeorge/Git_assignment.git
 * [new branch]      feature-update -> feature-update
```