

Report

Task 1: Create a Branch and Implement .gitignore

Objective:

To create a branch for managing ignored files and implement a .gitignore file to exclude specific files from version control.

Steps:

1. Create Branch:

- Created a new branch named feature/gitignore.

2. Add Files:

- Created an out.log file.
- Created a .gitignore file to ignore all .log files.

3. Commit and Push:

- Added and committed the files to the feature/gitignore branch.
- Pushed changes to the remote repository.

4. Pull Request and Merge:

- Created a pull request to merge feature/gitignore into main.
- Merged the pull request successfully.

Task 2: Tagging Commits

Objective:

To create and push tags for different snapshots of the main branch.

Steps:

1. Create Tags:

- **Created tags for different snapshots:**
 - **Hello_world_TAG**
 - **Hello_ASDT_world_TAG**
 - **Hello_ASDT_world_with_stashing_TAG**

2. Push Tags:

- Pushed all tags to the remote repository.

3. Display Tags:

- Displayed all repository tags to confirm successful creation and push.

Task 3: Create Branch from Tag and Modify Files

Objective:

To create a new branch from an existing tag and modify a file.

Steps:

1. Create Branch from Tag:

- Created a new branch `feature/hello_world_asdt_from_tag` from `Hello_ASDT_world_TAG`.

2. Modify File:

- Modified a file (e.g., `hello.py`) to display "Hello ASDT world with tagging".

3. Commit and Push:

- Added and committed the modified file.
- Pushed changes to the remote repository.

4. Pull Request and Merge:

- Created a pull request to merge `feature/hello_world_asdt_from_tag` into `main`.
- Merged the pull request successfully.

Task 4: Revert Commit

Objective:

To revert the last commit on the main branch.

Steps:

1. Revert Commit:

- Reverted the last commit on the main branch.

2. Push Changes:

- Pushed the revert commit to the remote repository.