**5. Git-HOL**

**Objective**

* Explain how to clean up local changes and push them to a remote Git repository.

**Prerequisites**

* Git installed on your machine.
* A GitHub account.
* A GitHub repository created (empty or with initial commit).

**Steps**

**1. Initialize Local Git Repository**

Navigate to your project directory or create a new directory and initialize it as a Git repository.

mkdir -p GitConflictLab

cd GitConflictLab

git init

**2. Create and Commit Initial Files**

Create a README file and commit it.

echo "# Git Conflict Lab" > README.md

git add README.md

git commit -m "Initial commit"

Create another file (e.g., hello.xml) and commit.

echo "<hello>Git Conflict Lab</hello>" > hello.xml

git add hello.xml

git commit -m "Add hello.xml"

**3. Add Remote Repository**

Add the remote GitHub repository URL.

git remote add origin https://github.com/your-username/your-repo-name.git

Replace your-username and your-repo-name with your actual GitHub username and repository name.

**4. Push Local Changes to Remote**

Push your local master branch to the remote repository.

git push -u origin master

The -u flag sets the remote origin as the upstream branch for master. Future pushes can be done simply with git push.

**5. Verify on GitHub**

Log into GitHub and navigate to your repository URL. Confirm that your committed files (README.md, hello.xml) are visible.





