Prem M -12118 Git Individual Assessment

Step 1: Create a New Local Repository.

- 1. Create a project directory with the name of "Your_employee_id Your Name".
- 2. Use the appropriate git command to initialize your project directory as a git repository.
- 3. Create 5 .java files and 5 .html files inside this repository and verify the git status.
- 4. Add all the .java files into the staging area and once again verify the status.
- 5. Now make a commit with the message "Java Commit".
- 6. Now add all the .html files into the staging area and make a commit with the message "Html Commit".
- 7. Display all the version history along with the commit messages and timestamp.

Step 2: Create a New Branch in the Local Repository.

- 1. Create a New Branch with the name "My-Branch" and confirm the branch creation.
- 2. Create two text files inside this branch and verify the status.
- 3. Add these 2 files into the staging area and commit with the message "My-Branch-Commit" and verify it.
- 4. And merge "My-Branch" with master branch and confirm it.

Step 3: Overcome the merge conflict in the Local Repository.

- 1. Create, add and commit a file "File1.txt" into the local repository.
- 2. Create two New Branches with the name "My-Branch1", "My-Branch2" and confirm the branch creation.
- 3. Add additional contents in File1 .txt file inside this branch1 and verify the status.
- 4. Add this file into the staging area and commit with the message "My-Branch1-Commit" and verify it.
- 5. And merge "My-Branch1" with master branch and confirm it.
- 6. Similarly checkout to My-Branch2 and add additional contents in File1 .txt file inside this branch2 and verify the status.
- 7. Add this file into the staging area and commit with the message "My-Branch2-Commit" and verify it.
- 8. And merge "My-Branch2" with master branch and check for the output.

9. If any conflicts, rectify and add it to the staging area and commit.

Step 4: Restoring the files from the Git repository and undoing the recent commit.

- 1. Remove File1.txt from the present working directory.
- 2. Check the status of git.
- 3. Add all the files to the staging area and commit with the message of "File1 Deleted".
- 4. Now check the list of files in git.
- 5. Undo the recent commit and then check the list of files in git.
- 6. Restore the deleted from git repository to the present working directory

Ans:

Step 1

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$ git commit - m' Java Commit'
[master (root-commit) c490692] Java Commit
$ files changed, 9 insertions(-4)
create mode 100644 file1.java
prem.mariyappandRLP1860 MINGM64 /d/12118-prem (master)
$ git add File1.html File2.html File3.html File4.html File5.html
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Step 4:

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