**2. Creating and Managing Branches**

**Create a new branch named "feature-branch." Switch to the "master" branch. Merge the "feature-branch" into "master."**

**SOLUTION**

1. Open your terminal and navigate to the directory where you want to create the Git repository.

2. Initialize a new Git repository in that directory:

$ git init

3. Check the status of the created Git repository.

$git status

4. Check the “master” branch, that is nothing but the main branch of the created repository.

$git branch

5. Create an empty file in the “master” branch.

touch “filename”

6. Add the created file to the git repository.

$git add .

7. Commit the created file

$git commit –m “file added”

8.Create a new branch named “feature-branch”.

$git branch feature-branch

9. Check whether the “master” branch has been shifted to new branch named “feature-branch”

$git checkout “feature-branch”

10.Create some new files inside the new branch

touch “filename”

11. Add the created file to the git repository.

$git add .

12. Commit the created file

$git commit –m “file added”

13. Whenever you want to merge the branches you need to switch back to the “master” branch by using checkout.

$git checkout master

14. Merge the "feature-branch" into "master".

$git merge feature-branch