EX NO: 11	**INTEGRATE GIT WITH DESKTOP AND MAVEN**
DATE:	

Aim:

To integrate Git with a desktop Maven project, enabling version control and collaboration.

Procedure:

1. Verify Git Installation

 Make sure Git is installed:

 git --version

 2. Configure Git User Details

 Set your Git username and email:

   git config --global user.name "yourname"

   git config --global user.email "your-email@example.com"

 3. Create or Navigate to Your Maven Project

     If you already have a Maven project, navigate to its directory. Otherwise, create a new Maven project:

 mvn archetype:generate -DgroupId=com.example -DartifactId=my-app -DarchetypeArtifactId=maven-archetype-quickstart -DinteractiveMode=false

Chage the directory:

 cd my-app

 4. Initialize Git in Your Maven Project

 Initialize a Git repository:

   git init

5. Set Up `.gitignore` for Maven

 Create a .gitignore file to exclude unnecessary Maven build files:

 echo "target/" > .gitignore

 echo ".idea/" >> .gitignore

 echo "*.iml" >> .gitignore

6. Stage and Commit Your Files

Add your files to the staging area and commit:

git add .

git commit -m "Initial commit"

7. Add a Remote Repository

Add the remote repository (e.g., on GitHub):

git remote add origin https://github.com/yourname/repo.git

8. Push to GitHub

Push your changes to the master branch:

git push -u origin master

9. Manage Updates

- Check Status:

git status

Result:

The Maven project was successfully integrated with Git and pushed to a remote repository (e.g., GitHub). Updates and collaboration can now be easily managed using version control.

Output:

On branch master

nothing to commit, working tree clean