**Task 4 - Build a Version-Controlled DevOps Project with Git**

Step 1: Initialize the Project and Create Base Files

Step 2: Establish Git Workflow (Branching)

Step 3: Develop and Merge with Pull Requests

Step 4: Push to GitHub and Use Tags

Step 5: using EC2 instance Create a Simple Jenkins Pipeline for CI/CD

Step 6: create a pipeline job in Jenkins dashboard

**Configure the Jenkins Pipeline Job**

1. On the Jenkins Dashboard, click New Item.
2. Enter an Item name (e.g., Task2-CI-CD) and select Pipeline. Click OK.
3. General: Check GitHub hook trigger for GITScm polling.
4. Pipeline Section:
   * Definition: Select Pipeline script from SCM.
   * SCM: Select Git.
   * Repository URL: Paste the HTTPS URL of your GitHub repository (from Part 1).
   * Credentials: Add your GitHub credentials if your repository is private.
   * Branches to build: Specify your development branch (e.g., dev).
   * Script Path: Leave as Jenkinsfile (default)

Step 7 : Test the Pipeline