

## **Solution:**

1. Create a new project directory  
Command: `mkdir demo-project`
2. Move into the project directory  
Command: `cd demo-project`
3. Initialize the directory as a Git repository  
Command: `git init`
4. Create a `demo.py` and add content to it  
`demo.py`: `print("Hello World")`
5. Check the current status of the repository  
Command: `git status`
6. Add files to the staging area  
Command: `git add .`
7. Make the initial commit  
Command: `git commit -m "Initial commit"`
8. Create a new branch  
Command: `git branch feature-branch`
9. Switch to the feature branch  
Command: `git checkout feature-branch`
10. Make changes in the feature branch  
Modified `demo.py`:  
`print("Hello World")`  
`print("Feature branch update")`
11. Stage and commit the changes  
Commands:  
`git add demo.py`  
`git commit -m "Added feature branch update"`
12. Switch back to the main branch  
Command: `git checkout main`
13. Merge the feature branch into main  
Command: `git merge feature-branch`