

Revert to Previous Commit



how do I use git to move back to the previous commit



To move back to a previous commit in Git, you can use the following commands, depending on whether you want to just check out a previous commit or permanently reset the current state to a previous commit.

1. To Check Out a Previous Commit (without altering commit history):

This will put your working directory at the state of a previous commit, but you won't be moving the `HEAD` permanently (meaning you can switch back to the latest commit if needed).

```
bash
git checkout <commit-hash>
```

Replace ``<commit-hash>`` with the hash of the commit you want to go back to. You can get the commit hash by running:

```
bash
git log
```

This allows you to explore the state of your project at that commit, but you're in a detached HEAD state. You can return to your previous commit by running:

```
bash
git checkout main
```

(or replace `main` with the branch name you're working on).

2. To Permanently Reset to a Previous Commit:

If you want to actually move the `HEAD` back and delete the changes made after a specific commit, you can use `git reset`.

- **To keep your changes staged (soft reset):**

```
bash
```

```
git reset --soft <commit-hash>
```

This moves `HEAD` to the previous commit but keeps all changes in your staging area, meaning they are not lost but are no longer committed.

- **To discard changes but keep them in your working directory (mixed reset, default):**

```
bash
```

```
git reset <commit-hash>
```

This will move `HEAD` to the previous commit, keep the changes in your working directory, but unstage them.

- **To discard all changes permanently (hard reset):**

```
bash
```

```
git reset --hard <commit-hash>
```

This will reset your working directory to match the specified commit, discarding any changes made since then.

Let me know if you need further clarification!



I have not committed changes but just want to to move back to the state before I made any changes



If you haven't committed any changes and just want to revert your working directory back to the state of the last commit (i.e., discard all uncommitted changes), you can use the following Git command:

1. To discard all changes (modified files) in your working directory:

```
bash
```

```
git restore .
```

This will discard any modifications you've made to files since the last commit. It will **not** remove any untracked files (new files that aren't added to Git yet).

2. To discard all changes and delete untracked files:

If you also want to remove any untracked files (files not added or staged), you can use:

```
bash
```

```
git clean -fd
```

This will delete all untracked files and directories.

3. To discard specific files:

If you only want to revert changes in a specific file, use:

```
bash
```

```
git restore <file-path>
```

Replace `**<file-path>**` with the path to the specific file you want to revert.

These commands will get your working directory back to the state it was in after the last commit.

Let me know if you need further assistance!

ChatGPT can make mistakes. Check important info.