

### Initialising a repository

Initialising a fresh repository

```
git init
```

Clone an existing repository

```
git clone <url>
```

Clone an existing repository into a custom directory

```
git clone <url> <directory>
```

Clone an existing repository into current directory

```
git clone <url> .
```

### Managing branches

Get help

```
git branch -h
```

List local branches

```
git branch
```

List remote branches

```
git branch -r
```

List local and remote branches

```
git branch -a
```

Delete a local branch

```
git branch -d <branch>
```

Rename current branch

```
git branch -M <new-name>
```

Track a different remote branch

```
git branch -u <remote-branch>
```

Find local branches that have been merged into a branch

```
git branch --merged <branch>
```

Find remote branches that have been merged into a branch

```
git branch -r --merged <branch>
```

Find all branches that have been merged into a branch

```
git branch -a --merged <branch>
```

### Managing Remotes

List remotes

```
git remote -v
```

Add new remote

```
git remote add <name> <url>
```

Change remote url

```
git remote set-url <name> <url>
```

Change remote push url

```
git remote set-url --push <name> <url>
```

Change remote pull url

```
git remote set-url --pull <name> <url>
```

### Push Changes

Push local changes

```
git push
```

Force push local changes

```
git push --force
```

Push to a different remote branch

```
git push <remote-branch>
```

Push to a different remote branch and start tracking it

```
git push -u <remote-branch>
```

Push to a remote branch that has a different name

```
git push <remote-branch> <local-branch>
```



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Page 1 of 1.

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