

## Power Tools

### Searching in Code

Find text in the tracked files

```
git grep
git grep <TREEISH>
```

### Finding a bug

Start the process of finding a commit where tests broke

```
git bisect start
```

Mark current point as bad

```
git bisect bad
```

Mark an older point as good

```
git bisect OLDERTREEISH
```

If you want to manually mark the status of the current checkout and proceed to the next, type either of the following:

```
git bisect bad
git bisect good
```

Show the results of the bisect

```
git bisect log
```

Start the bisect over again or to finish the process

```
git bisect reset
```

If you wish to automate the run of the tests and marking boolean outcome (testing), use the **run** command. The program must return 0 for **good**, 125 for **skip**, 1-127 (except 125) for **bad**, and any negative value like -1 for **abort**.

```
git bisect run <COMMAND>
```

Diagram the result of testing

```
git bisect visualize
```