# Contributing to Homebrew

First time contributing to Homebrew? Read our [Code of Conduct](https://github.com/Homebrew/.github/blob/HEAD/CODE\_OF\_CONDUCT.md#code-of-conduct).

### To report a bug

\* run `brew update` (twice)

\* run and read `brew doctor`

\* read [the Troubleshooting Checklist](https://docs.brew.sh/Troubleshooting)

\* open an issue on the formula's repository

### To submit a version upgrade for the `foo` formula

\* check if the same upgrade has been already submitted by [searching the open pull requests for `foo`](https://github.com/Homebrew/homebrew-core/pulls?utf8=?&q=is%3Apr+is%3Aopen+foo).

\* `brew bump-formula-pr --strict foo` with `--url=...` and `--sha256=...` or `--tag=...` and `--revision=...` arguments.

### To add a new formula for `foo` version `2.3.4` from `$URL`

\* read [the Formula Cookbook](https://docs.brew.sh/Formula-Cookbook) or: `brew create $URL` and make edits

\* `brew install --build-from-source foo`

\* `brew audit --new-formula foo`

\* `git commit` with message formatted `foo 2.3.4 (new formula)`

\* [open a pull request](https://docs.brew.sh/How-To-Open-a-Homebrew-Pull-Request) and fix any failing tests

Once you've addressed any potential feedback and a member of the Homebrew org has approved your pull request, the [BrewTestBot](https://github.com/BrewTestBot) will automatically merge it a couple of minutes later.

### To contribute a fix to the `foo` formula

If you are already well versed in the use of `git`, then you can find the local

copy of the `homebrew-core` repository in this directory

(`$(brew --prefix)/Homebrew/Library/Taps/homebrew/homebrew-core/`), modify the formula there

leaving the section `bottle do ... end` unchanged, and prepare a pull request

as you usually do. Before submitting your pull request, be sure to test it

with these commands:

```

brew uninstall --force foo

brew install --build-from-source foo

brew test foo

brew audit --strict foo

brew style foo

```

After testing, if you think it is needed to force the corresponding bottles to be

rebuilt and redistributed, add a line of the form `revision 1` to the formula,

or add 1 to the revision number already present.

If you are not already well versed in the use of `git`, then you may learn

about it from the introduction at

https://docs.brew.sh/How-To-Open-a-Homebrew-Pull-Request and then proceed as

follows:

\* run `brew edit foo` and make edits

\* leave the section `bottle do ... end` unchanged

\* test your changes using the commands listed above

\* run `git commit` with message formatted `foo <insert new version number>` or `foo: <insert details>`

\* open a pull request as described in the introduction linked to above, wait for the automated test results, and fix any failing tests

Once you've addressed any potential feedback and a member of the Homebrew org has approved your pull request, the [BrewTestBot](https://github.com/BrewTestBot) will automatically merge it a couple of minutes later.

Thanks!