

Rustlings as an example of CodeSlide CLI

rustlings 🦀❤️

Greetings and welcome to rustlings. This project contains small exercises to get you used to reading and writing Rust code. This includes reading and responding to compiler messages!

...looking for the old, web-based version of Rustlings? Try [here](#)

Alternatively, for a first-time Rust learner, there are several other resources:

- [The Book](#) - The most comprehensive resource for learning Rust, but a bit theoretical sometimes. You will be using this along with Rustlings!
- [Rust By Example](#) - Learn Rust by solving little exercises! It's almost like rustlings, but online

Getting Started

Note: If you're on MacOS, make sure you've installed Xcode and its developer tools by typing `xcode-select --install`. Note: If you're on Linux, make sure you've installed gcc. Deb: `sudo apt install gcc`. Yum: `sudo yum -y install gcc`.

You will need to have Rust installed. You can get it by visiting <https://rustup.rs>. This'll also install Cargo, Rust's package/project manager.

MacOS/Linux

Just run:

```
curl -L https://raw.githubusercontent.com/rust-lang/rustlings/main/install.sh | bash
```

Or if you want it to be installed to a different path:

```
curl -L https://raw.githubusercontent.com/rust-lang/rustlings/main/install.sh | bash -s mypath/
```

This will install Rustlings and give you access to the rustlings command. Run it to get started!

Nix

Basically: Clone the repository at the latest tag, finally run `nix develop` or `nix-shell`.

```
# find out the latest version at https://github.com/rust-lang/rustlings/releases/latest (on edit 5.4.1)
git clone -b 5.4.1 --depth 1 https://github.com/rust-lang/rustlings
cd rustlings
# if nix version > 2.3
nix develop
# if nix version <= 2.3
nix-shell
```

Windows

In PowerShell (Run as Administrator), set ExecutionPolicy to RemoteSigned:

```
Set-ExecutionPolicy -ExecutionPolicy RemoteSigned -Scope CurrentUser
```

Then, you can run:

```
Start-BitsTransfer -Source https://raw.githubusercontent.com/rust-lang/rustlings/main/install.ps1
-Destination $env:TMP/install_rustlings.ps1; Unblock-File $env:TMP/install_rustlings.ps1; Invoke-
Expression $env:TMP/install_rustlings.ps1
```

To install Rustlings. Same as on MacOS/Linux, you will have access to the rustlings command after it. Keep in mind that this works best in PowerShell, and any other terminals may give you errors.