## Lints

In software, a "lint" is a tool used to help improve your source code. The Rust compiler contains a number of lints, and when it compiles your code, it will also run the lints. These lints may produce a warning, an error, or nothing at all, depending on how you've configured things.

Here's a small example:

This is the <code>unused\_variables</code> lint, and it tells you that you've introduced a variable that you don't use in your code. That's not <code>wrong</code>, so it's not an error, but it might be a bug, so you get a warning.

## **Future-incompatible lints**

Sometimes the compiler needs to be changed to fix an issue that can cause existing code to stop compiling. "Future-incompatible" lints are issued in these cases to give users of Rust a smooth transition to the new behavior. Initially, the compiler will continue to accept the problematic code and issue a warning. The warning has a description of the problem, a notice that this will become an error in the future, and a link to a tracking issue that provides detailed information and an opportunity for feedback. This gives users some time to fix the code to accommodate the change. After some time, the warning may become an error.

The following is an example of what a future-incompatible looks like:

For more information about the process and policy of future-incompatible changes, see <u>RFC 1589</u>.