

# Ways to Improve Code Quality

## Start early

- Hard to catch up on quality at a later time.

## Don't compromise

- Don't compromise on quality.
  - It becomes a vicious cycle.
- If you are going to add some poor quality code due to environmental constraints, put an expiration label on it.
  - Eg. if there's a bug in the compiler, add a test — if the bug still exists, the test passes. If the bug in the compiler has been fixed, your test will fail and you can go and fix your code.

## Schedule time to lower technical debt

- Technical debt
  - poor quality code we accrue
  - the shortcuts we take
  - the library haven't yet updated
  - legacy code that needs to be refactored

## Make it work, make it better real soon

- As you're writing code, be willing to refactor continuously.
- Experiment, prototype to see how things work.
- As soon as something works, improve the code quality right then and there.

# Use lightweight non-bureaucratic measures

- Come up with lightweight tools & procedures.
- Eg. don't bring the entire team into a room to do code review.

## Monitor

- Monitor the quality of code continuously.
  - What's the code coverage?
  - What are the number of warnings we have?
  - What is the amount of duplication in code?