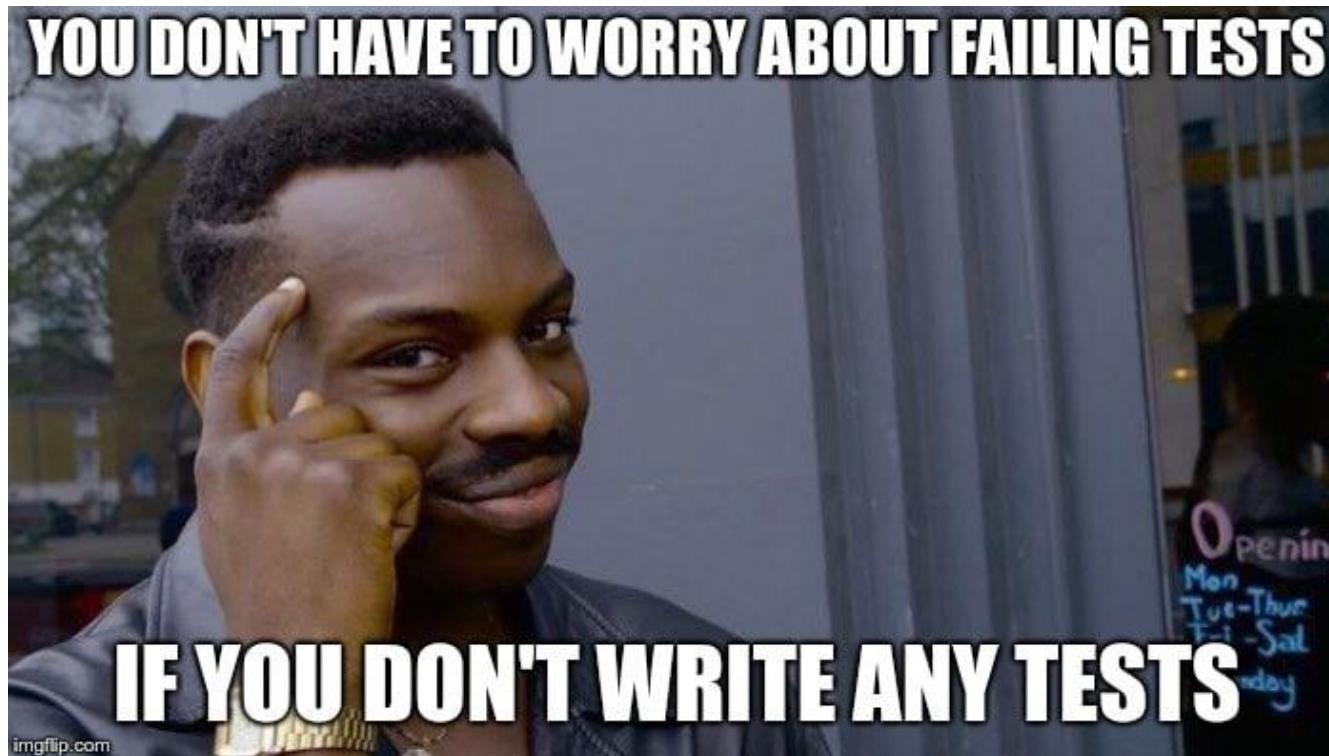# CHATTING ABOUT DEV-TEST
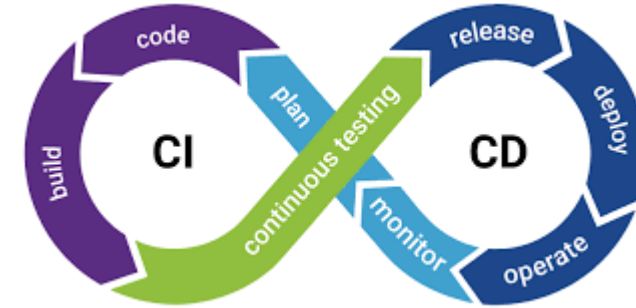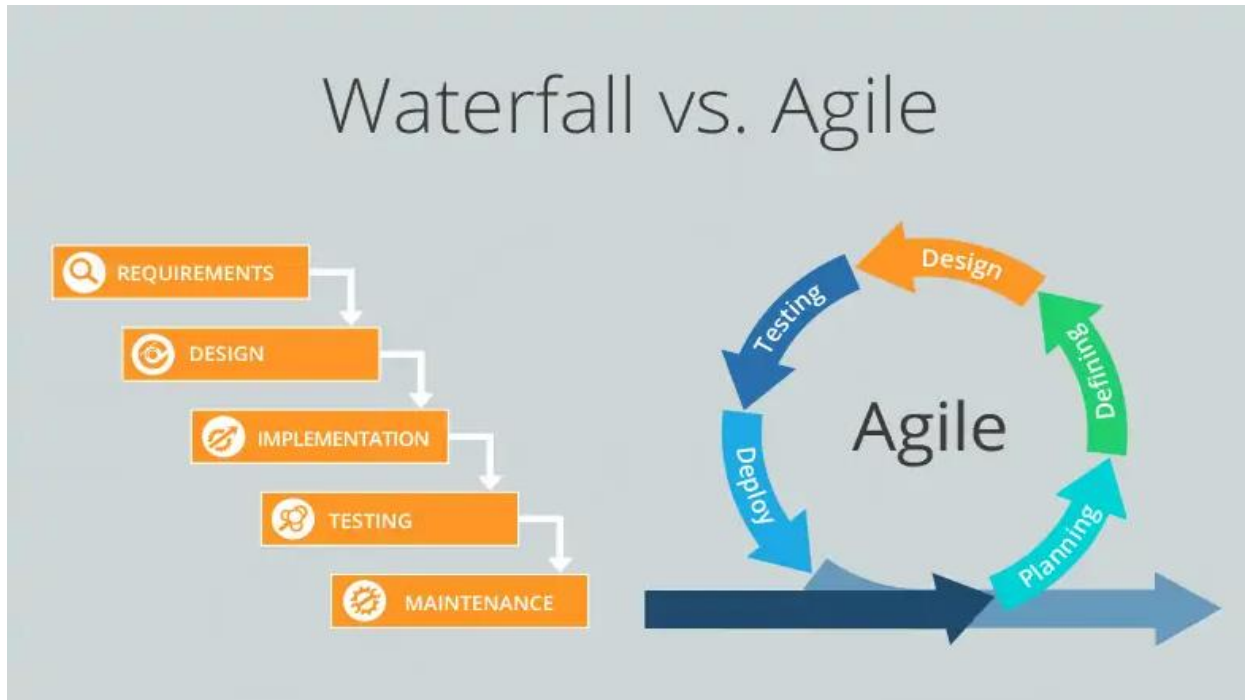
Did you test your code?
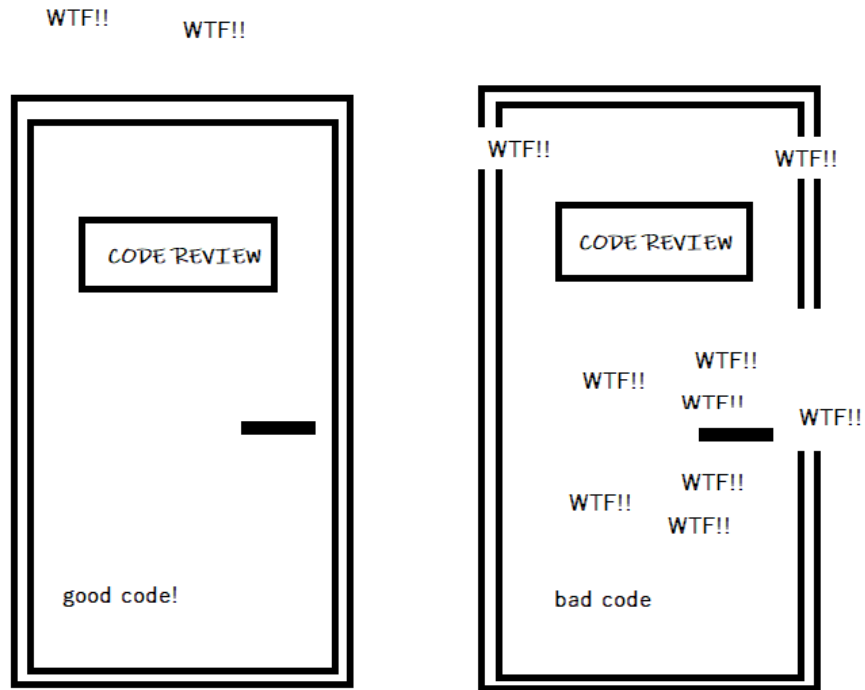
Agenda

- Why we need test?
- TDD-BDD
- Kinds of test : unit, integration, end to end.
- Some test skills:
  - Fixture and test stuffs
  - Mocking test
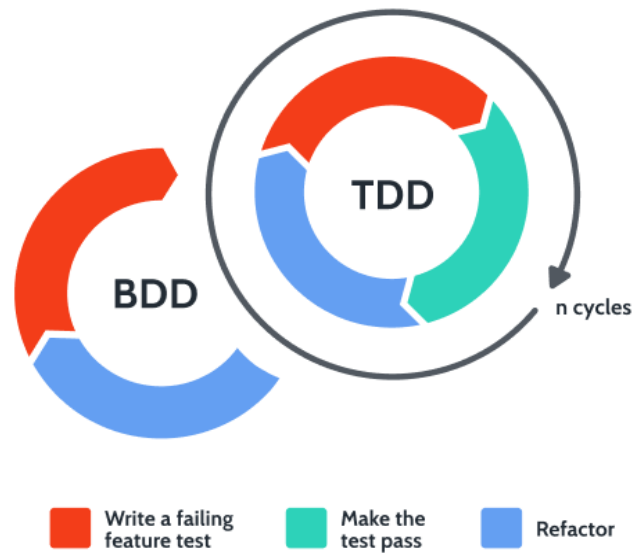 - Test coverage
  - Parallel test
  - More…

Why we need test?

Why we need test?

WTF!!   WTF!!

CODE REVIEW

good code!

WTF!!   WTF!!

CODE REVIEW

WTF!!   WTF!!
WTF!!   WTF!!
WTF!!   WTF!!
WTF!!

bad code

Code quality rate: how many wtf(s)/line/min.

▶ Make sure current code working

▶ Make sure new code working expectedly

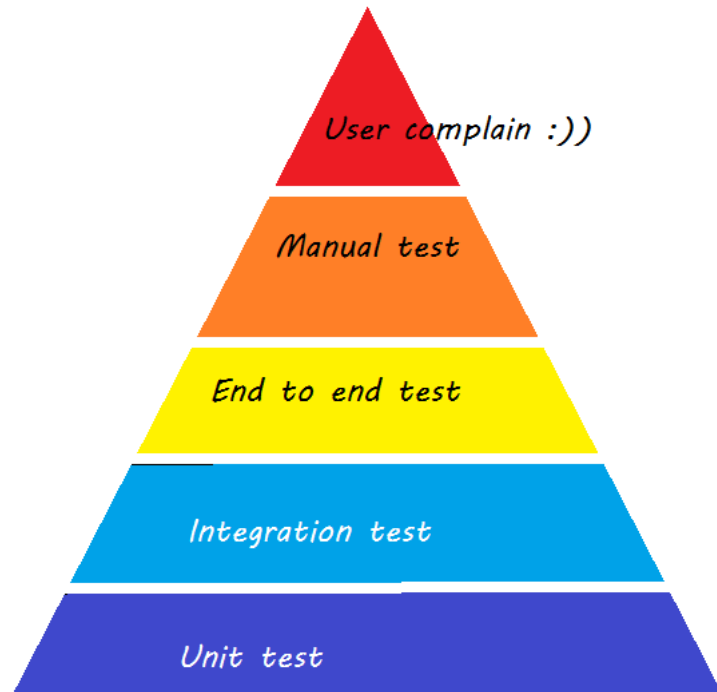▶ Easily understand logic by test case

▶ Ignore boring manual tests

TDD - BDD

Write a failing feature test
Make the test pass
Refactor

- Should we write the code first or test first?
- Should they come from same person or different person?

Kind of tests:

Test coding skills

- Fixtures
- Mocking test
- Test coverage
- Parallel test

Demo – Flask - pytest

More

- Performance test
  - timeit – measure time
  - line_profiler
  - memory_profiler – measure memory
  - Etc…