

Test-driven Development

- Tests written before any code & leads all development
- Programmers job is to write code to pass the tests
- If there's no test for a feature - you don't implement it
- Tests "are" the requirements/specification of the system
- Test runners make automatic verification possible !

Benefits of test-driven development

Code coverage

We are sure that all code written has at least 1 test
(if there were no test, the code wouldn't exist !)

Simplified debugging

If a test fails we know it was caused by last change

System documentation

Tests themselves are one form of documentation
(they describe what the code should be doing)