A simple example using JUnit
https://technologyconversations.com/2013/12/20/test-driven-development-tdd-example-walkthrough/

Kent Beck's book starts with a simple example….
https://www.eecs.yorku.ca/course_archive/2003-04/W/3311/sectionM/case_studies/money/KentBeck_TDD_byexample.pdf

Another simple example can be found at the end of:
https://www.guru99.com/test-driven-development.html