In contrast to the explosion of activity in object-oriented design and programming, relatively little attention has been given to object testing. The proposed tutorial discusses problems and potential solutions with the testing of object-oriented software. After a brief introduction in which the testing of O0 software is compared with the testing of more traditional software, an in-depth look is taken at two approaches to the testing of O0 software. The first is a method for the testing of O0 systems that is used by MPR Teltech, a Canadian telecommunications company. In this method, the ACE tool is used to automatically test individual classes. The second is the ClassBench methodology and framework for the testing of collection classes, which has been used to test several classes from commercial class libraries.

This tutorial is intended for researchers, software professionals, and quality managers who are interested in the development and verification of O0 software. Participants are expected to be familiar with O0 terminology and concepts.

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