Logic 2010: A Workbook, © David Kaplan, is a product of the UCLA Logic Software Project in association with the Center for Digital Humanities. The Logic Software Project was founded by David Kaplan and Robert Martin.

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Principal Programming: Logic 2010

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Principal Programming: Logic 2000

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The program provides exercises -- and automated correction -- for elementary symbolic logic. The system of derivation is in the style of the textbook:

by Kalish, Montague and Mar
Published by Harcourt Brace Jovanovich, 1980
[Henceforth, KM&M]

However, the program diverges from this textbook in a several respects. The online textbook:

An Introduction to Symbolic Logic
by Terrence Parsons
[Henceforth, The TerryText]

is more closely keyed to the program and is currently available to users of the program without charge.

The program itself is not, and does not aim to be, a self-contained instruction package. It is for this reason that we term it a "workbook". It supplements study of a text by providing a large number of new exercises and making use of the computer's facility for immediate evaluation.

Different modules allow the student to pursue work on different kinds of exercises including Parsing, Symbolization, Derivation, Truth Tables, and Invalidity (in finite models).

Work done within the program is corrected by the program. Erroneous steps are indicated, and explanations of the error are provided. Students may correct their work, and recheck it before submitting it.
Student work is submitted over the Internet to the LOGIC 2010 database where it is correlated with ASSIGNMENTS constructed by the instructor. The database provides reports, organized by assignment, to each student regarding his or her own work, and to instructors regarding the work submitted by all students. Students can access assignments and reports on their own work through the program.

It is also possible to submit work by printing a hard copy.

Several EXAM MODES are provided in which corrections and error messages are partially or totally disabled.

The program runs on the Windows, MAC, and Linux operating systems. It requires Java SE 6 or higher and a PDF reader.