Abstract

In this paper, the use of visualization techniques in teaching and learning programming is revisited. It is demonstrated that MTL can be used to visualize most of programming aspects. MTL, as a tool for dry-running programs, tracing and correcting codes is used in a class experiment. Results show that MTL can be used in teaching novice programmers to improve their coding abilities.
Using Memory Transfer Language (MTL) as a Tool for Program Dry-running


Index Terms

Computer Science  Information Sciences

Keywords

Program visualization  Memory Transfer Language (MTL)  comprehension
program dry-running