Abstract

Control flow diagrams are a keystone in testing the structure of software programs. With the help of control flow between the various components of the program, we can select the test cases in a particular domain. In this paper, we introduced a window-based tool for generating the CFG of a C Program automatically. The data flow testing, i.e., control flow testing depends on all def-use of the variables. So selecting the test cases for a particular data flow diagram is not an easy task. In this paper genetic algorithm has been used to generate the test cases automatically for data flow testing.

References

search based software testing of C programs.\" Information and Software Technology 55.1 (2013): 112-125.


**Index Terms**

Computer Science

Software Engineering
Keywords