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A STUDY OF TYPES OF DEAD CODES AND THEIR SOLUTIONS

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ABSTRACT

Whenever a complex code is written to provide computational solutions for some task or to make some business activities faster and accurate, or to create some new features to existing software application, it is possible that some piece of code later become dead code. This dead code does not play any role in result of the software application, but makes the program bulkier and slow. To make the complex code less bulkier and faster execution, we should identify and remove the dead code. Sometimes, it is troublesome to identify and eliminate it because some other pure code might have dependency on it. Many researchers have worked on this problem and concluded their results. The Adam Fischbach, John Hannan[1] proposed their research work to eliminate useless variables and utilization of weak form of dependent variables. The researchers have used type interface based approach for useless variable elimination and useless code elimination. We have defined two algorithms to identify and eliminate dead code of the c program.

KEYWORDS: *Computational, Dead, Complex, Troublesome, Bulkier*