

The purpose of this diploma project is to identify potentially dangerous features hidden in the SOFTWARE code and analyze software tools to identify vulnerabilities and software bookmarks.

The focus of this paper was on software protection during development, i.e. analysis and verification of software source codes to ensure their security after Assembly. A tool called PVS – Studio was selected for code analysis.

The input data of the work is the source code of software for the Windows operating system, written in the C# programming language.