
ICON

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ABSTRACT

1 Introduction

2 History

Icon was developed by Ralph Griswold and David Hanson with the first iteration being released in 1977. Since then, there have been nine versions of the language. The goal of the language according to Griswold is to create entirely new possible mechanisms rather than redefining already implemented ones. Icon's development was heavily influenced by SNOBOL and SNOBOL5. One of the main functions of Icon was to redefine some of SNOBOL's mechanisms in a more general manner. The main function of the language is to deal with general tasks involving strings and data structures.

Currently, the ninth version of Icon is run on many operating systems. There is also now a language, Jcon which is a Java-based implementation of the Icon language.

3 Control Structures

4 Data Types

5 Subprograms

6 Summary

References

[1] Alvin Lo. *An Introduction to The Icon Programming Language*. Santa Clara University.