Syntax Design of a Japanese-based Programming Language “Mahoroba”

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20 years ago, programming languages have acquired an ability to handle Japanese. Generalizing it to internationalization (i18n), many of i18n facilities of each programming language were accepted as ISO standards. Some programming languages allowed users to use user-defined words in such multi-octet characters as Kanji. Some new Japanese-based programming languages have also been developed and used. In all those languages, keywords and grammar are based on Japanese, but words have to be separated by spaces. We develop a non-separated (No wakachigaki) version of Japanese-based programming language “Mahoroba”. “Mahoroba” is a word of ancient Japan, and means a nice country. This presentation describes its syntax design.