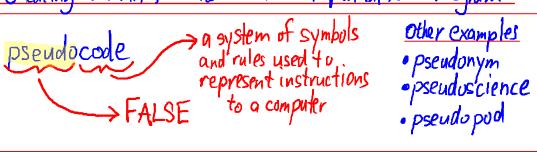
Creating a Plan for the Credit Card Validation Krogram



- Pseudocode is an informal high-level description of the operating principle of an algorithm.
- It uses the structural conventions of a programming language, but is intended for human reading rather than machine reading.
- Pseudocode typically omits details that are not essential for human understanding of the algorithm, such as variable declarations, system-specific code and some subroutines.
- The programming language is augmented with <u>natural language</u> description details, where convenient, or with compact mathematical notation.
- The purpose of using pseudocode is that it is easier for people to understand than conventional programming language code, and that it is an efficient and environment-independent description of the key principles of an algorithm.
- It is commonly used in textbooks and scientific publications that are documenting various algorithms, and also in planning of computer program development, for sketching out the structure of the program before the actual coding takes place.
- No standard for pseudocode syntax exists, as a program in pseudocode is not an executable program.

Pasted from < http://en.wikipedia.org/wiki/Pseudocode

1/ Simple pseudocode for credit card validation 1/ Input string creditCardNum = creditCardNumTextBox. Text; // Processing int length = credit Card Num. Length; String cardType = "": String first Digit = credit Card Num. Substring (0,1); String first Two Digits = credit (ard Num. Substring (0,2); string first Four Digits = credit Card Num. Substring (0,4); Use values of "length" "first Digit," "first Two Digits," and "first Four Digits" to determine the card type.

The value of "card Type" remains " if the number,

The value of "cardType" remains "" if the number entered does not correspond to any of the supported card types

if (cardType !="")

The CRUX of the problem

calculate checksum

if the checksum is valid, declare credit card # to be valid otherwise, the # is invalid

?

The number entered is of an unknown type

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