



What is the need of Language?

Language is required in this scientific world when one wants to make understand about the process of doing some task to the other. This means that if anyone wants the express the ways in which any task can be accomplished a language is required.

What are the types of Languages?

There are basically two types of languages. In the world of programming language also there are two types of programming languages, as:

- a) Low Level Language: Those languages that are difficult to teach, understand and program with, are low level language. This is classified into two types, as:
  - i) Machine Language: As it is well known to all, the machine (computer) is a set of circuit that can directly understand 1 and 0. The machine language is comprised of set of instructions expressed in the form of binary numbers using 1 and 0. No translator program is required to make the computer understand what action it has to perform for the given set of instructions.
  - ii) Assembly Language: This is also known by the name of processor dependent language. Hence every time when the computer or processor is changed a new language is required to create the same application or program that was created earlier for the previous processor. It is also known by the name symbolic language. The instructions in this programming language is written in terms of abbreviated English language words and the programmer has to remember the meaning of the abbreviated word.
- b) High Level Language: Those languages that are easy to teach, understand and program with, are known as High level language. This is classified into two types as:
  - I) Procedure oriented language: A common example of this type of programming language is 'C'.
  - II) Object Oriented Programming Language: This is classified into types as:
    - i) Object oriented programming language: A common example of this type of language is Java.
    - ii) Object based programming language: A common example of this type of language is CPP.

However, 'C' is considered as Middle level language because it can be used to perform the task or create the programs that can be created using low level languages and high level languages.



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