



What is Programming Languages and its different types :-

Programming Language:- It is a formal computer language which is designed to communicate instructions or commands or orders to a machine, particularly a computer. Programming Languages can be used to create programs to control the behaviour of the machine.

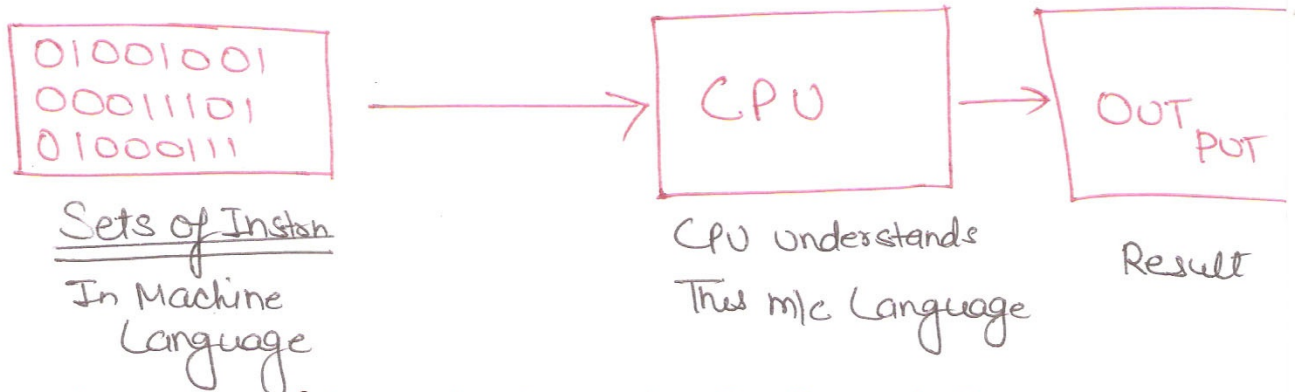
Different types of programming Languages :-

1) Machine Language:- A computer or a machine only can understand its Machine language which is defined by its **HARDWARE ARCHITECTURE**.

This directly executed by its CPU central processing

\* This 0 & 1 codes are difficult to understand Unit  
by programmer.

Machine language generally consists of numbers that is 0 and 1



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2) Assembly Languages:- It is low level language for computers and microprocessors and other programmable devices. It is basically english like Abbreviations to perform operations.

Now we need to Convert Assembly language to Machine language as CPUs donot understand Assm/Lang.

So Assembler converts the Assembly to Machine Language

Assembler basically a Translator Program.

Eg of Assm/Language :-

Go , Jump, Run , Addr. etc

Assembly Language instructions.

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3) High Level Languages :- As the requirement of developing a fast and easy language for developer to understand, high Level language come in existence.

features of High Level Language

(a) Fast programming process

(b) Instructions are written in almost like every day english

(c)



It takes large amount of time to convert HLL to MLC Language. So Interpreter programs were developed to execute HLL without compiling it.

Eg:- Scripting Languages such as 'Java Script' and Php are processed by

Interpreters.

