

Lecture No 1.

Programming language

A set of words, symbols and codes use to write program is called programming language

There are two types of computer programming language

1. Low level language
2. High level language

1. Low Level language

These language are near to computer hardware and far from human language.

Computer can understand these language easily.

There are two types of low level language

1. Machine language
2. Assembly language

Machine language

A type of language in which instruction are written in binary form is called machine language. 0,1

It is the only language that is directly understood by the computer.

Machine language is also known as first generation language.

Assembly Language

Assembly language is a low level language it is one step higher than machine language. In assembly language, symbols are used instead of binary code. These symbols are called mnemonics for example **Sub** instruction is use to subtracts two numbers.

Assembly language is also called **Symbolic language**.

Assembly language is also known as **second generation language**

2 .High level language

A type of language that is closed to human language is called high level language. High level language are easy to understand .instruction of these language are written in English.

Like. Words such as **input** and **print** etc.

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