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Introduction to assembler

It is used to translate(convert) the source program written in assembly or high-level language into object program written in low level language.

Advantages of a translator:

A translator permutes the programmer to express his \ her thought process (algorithm) in a language other than that of machine which is who execute algorithm.

The reason is that machine language is very poor design for human computer communication.

Some of the important benefits in writing a program other than machine language are as follows:

Increase in the programs productivity what can be written more easily can be written more rapidly.

Machine independence – a programmer has to be concern mere about the problem then the inner details of the machine on which a program has to be developed.

The input for a translation program is expressed in a source language. A source language might be assembly language or any high level language. The output or a translator is a target language.



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