

Assembly Language and Machine Code

Machine Code

- The language that the computer can understand, that uses different binary digits to stand for different instructions and locations.

Assembly Language

- a basic language which uses mnemonics to stand for instructions and labels to represent data locations. Assembly language has a one-to-one language with machine code. It is translated by the assembler.

Assembler

- the piece of software that translates assembly language to machine code. It converts the mnemonics to their binary representation through finding them in the look-up table. It builds a look-up table for the labels as data locations as it translates the program.