

# Download Assembly Language Manual

An assembly language (or assembler language), often abbreviated asm, is any low-level programming language in which there is a very strong correspondence between the program's statements and the architecture's machine code instructions.. Assembly code is converted into executable machine code by a utility program referred to as an assembler. The conversion process is referred to as assembly, or ...An assembly language is a programming language that can be used to directly tell the computer what to do. An assembly language is almost exactly like the machine code that a computer can understand, except that it uses words in place of numbers. A computer cannot really understand an assembly program directly. However, it can easily change the program into machine code by replacing the words ...x86 assembly language is a family of backward-compatible assembly languages, which provide some level of compatibility all the way back to the Intel 8008 introduced in April 1972. x86 assembly languages are used to produce object code for the x86 class of processors. Like all assembly languages, it uses short mnemonics to represent the fundamental instructions that the CPU in a computer can ...Writing assembly language is something best left for the experts. To write code that runs directly on your microprocessor you need to know how memory segmentation works, what the intended use of each register is, how codes executes in real and protected modes and much, much more.