

Compiler

Interpreter

Assembler

Assembly language

High level languages

Low level languages

Machine code

Source code

Intermediate code

Translates one line at a time	Translates the whole code into machine code
Programming language that has a one to one correspondence with machine code instructions	Translates assembly language to machine code
Not portable	Programming languages that have a many to one correspondence with machine code instructions
Normally text code written in a high level language	Executable code expressed as zeros and ones
	Neither executable or source code