Stages of program compilation

When we need to compilate a program we will start with Lexical analysis, in this stage we should remove unnecessary comments and make “tokens” to identify all the elements; Next, we have Symbol table construction where we need to check the variables and determine the data; The third step is Syntax analysis, in this step we need to find errors and correct them; Finally, we optimize the code and compilate it.

Levels of programming

When I searched for the levels, I found Low-level and High-level languages, in the Low-level language we have a limited number of programming constructs and these are much harder to learn, the Low-level programming is for assembly language and machine code.

The High-level are Phyton, Visual basic, Java, SQl, C++, etc. they are developed to be the easiest way to programmers, and it is easy because we can understand the language because is just like human language.

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