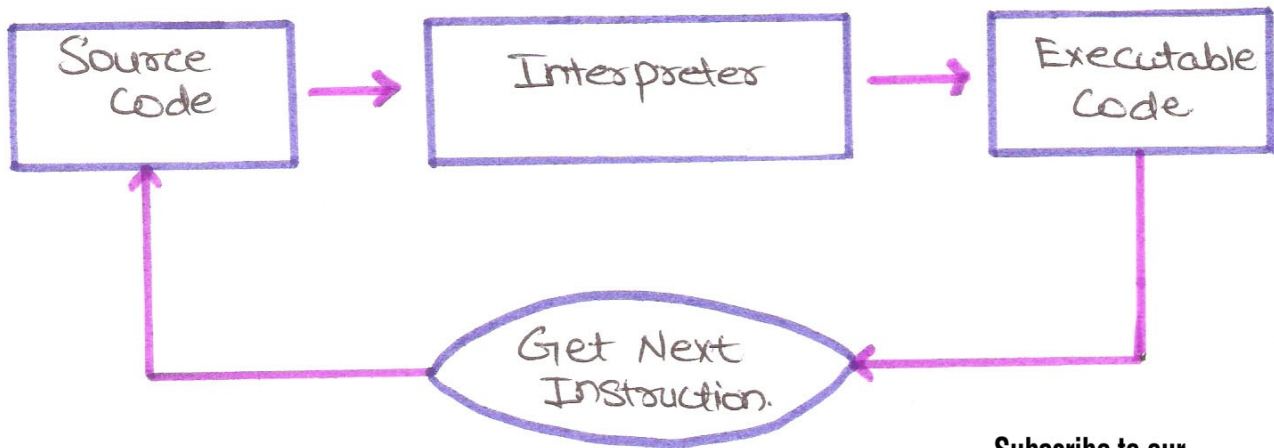


Interpreter :- Programming Language Translator

An **Interpreter** is also a program that translates high-level source code into **Executable Code**.

How the difference between a compiler and an interpreter is that **An interpreter translates one line at a time and then executes it**. No object code is produced, and so the program has to be interpreted each time it is to be run.



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Advantages of an Interpreter

1. Good at locating errors in the program
2. Debugging is easier since the interpreter stops when it encounters an error.
3. If an error is deducted there is no need to retranslate the whole program.
4. It uses less memory as only few lines has to be into the memory because **No Object Code**

Disadvantages of an Interpreter :-

1. Rather slow : Speed is biggest disadvantage
2. No object code is produced, so a translation has to be done every time the program is running
3. For the program to run, the Interpreter must be present.

Interpreter has to Analyse each line of code (byte code) into machine code before it can be executed.



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