

Compiler v/s Interpreter

- The main aim of these two are
1. To check errors
 2. Convert into machine code
 3. **Execution / running a program** : Compiler **does not takes responsibility** of execution , Interpreter is responsible for execution of code

Compiler

- C++ is a compiler based language
- Compiler will convert program into machine code if they are no error
- Compilation from source code to machine code is done only once
- As translation is done once that why compiler doesn't run codes
- Even if there's one error in the program , it will not compile the full code must be error free to transform into machine code.

Interpreter

- JavaScript is an interpreter based language
 - JS runs inside browser , it cannot run independently
 - It translate and runs /executes the code line by line
 - Translation is done again and again
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- Compiler is faster than interpreter
 - In interpreter if there is error in one line the code will still execute
 - Interpreter language is easy than compiler language