

Compiler

- Scan entire code and translate to Machine code at once.
- It is used to Convert a Source code into an ^{intermediate} code and along with that this is syntactical error.
- Compiler takes entire code once and executes once.
- Languages using compilers. C, C++, Java.
- Compiler will take less time to execute the program.

Interpreter

- Will convert a one statement of code into an machine code for each and every line.
- It is also compiled the source code statement into the bi-code statement & also check syntactical error.
- Compilation and execution takes place simultaneously.
- Languages are python, R, PHP etc.
- It takes more time for execution.

