**Difference between Compiler and Interpreter:**

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| **Compiler** | **Interpreter** |
| 1. Compiler is a computer program that scans a high-level language code in one go and converts into machine code. | 1. Interpreter is a computer program that scans a high-level language code line by line and converts each statement into machine code. |
| 1. A compiler converts the source code into machine code and creates an .exe file before program runs. | 1. An interpreter converts the code into machine code line by line when the program runs. |
| 1. A compiler displays all the errors at one go after the compilation process. | 1. An interpreter displays errors of each statement. |
| 1. A compiler code runs faster. | 1. An interpreter code runs slower. |
| 1. Examples: Java, C, C++ etc. use compiler. | 1. Examples: Php, Perl, Ruby, etc. use interpreter. |