Following are the difference between Compiler and Interpreter.

| Compiler | Interpreter |
| --- | --- |
| Compiler scans the whole program in one and execute. | Translates program one statement at a time. |
| It scans the code in one go, so errors are shown at the end together. | It scans code one line at a time, so errors are shown line by line. |
| Compilers has fast execution time. So, it is preferred most. | Interpreters is slow in executing the object code, it is preferred less. |
| It converts the source code into object code. | It does not convert source code into object code. |
| It does not require source code for later execution | It requires source code for later execution. |
| Example :- C, C++, C# etc. | Example :- Python, Perl, Ruby, SNOBOL, etc. |