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| --- | --- |
| Compiler | Interpreter |
| Compiler scans the whole program in one go. | Translates program one statement at a time |
| As it scans the code in one go, the errors (if any) are shown at the end together.  . | Considering it scans code one line at a time, errors are shown line by line. |
| Main advantage of compilers is it’s execution time | Due to interpreters being 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 instead it scans it line by line |
| It does not require source code for later execution. | It requires source code for later execution. |
| It Support virtual keyword | It does not have virtual keyword |
| It does not support garbage collection | It does support garbage collection |
| Eg. C, C++, C# etc. | Python, Ruby, Perl, SNOBOL, MATLAB, etc |

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Day 1: Compiler vs Interpreter