Java programming

Day -1 assignment

* Difference between compiler and interpreter

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| Compiler | Interpreter |
| Compiler is a program which translates high level language into low level language at once. | Interpreter is a program which translates high level language into machine language line by line, during program run. |
| It takes an entire program at once, before program runs. | It takes one statement at a time as input. |
| Compiler code runs faster. | Interpreter code runs slower. |
| It displays errors after compilation. | It displays errors of each line one by one. |
| Compiler is good for professionals. | Interpreter is good for beginners. |
| Intermediate code is generated. | Intermediate code is not generated. |
| Their language is more difficult to debug. | Debugging is easy because it reports error quickly. |
| **Examples:** C compiler, C++ compiler, COBOL, C# Compiler, PASCAL, Java Compiler. | **Examples:** PHP, RUBY, BASIC, Visual Basic, Python, MATLAB, Lisp |