

JAVA PROGRAMMING ZERO TO HERO DAY 1 ASSIGNMENT

ASSIGNMENT 1: DIFFERENCE BETWEEN INTERPRETER AND COMPILER

| INTERPRETER | COMPILER |
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| Execution is slower. | Execution is faster. |
| Compile time is less. | Compile time is longer. |
| It does not generate the intermediate. | It generates the intermediate object code. |
| It compiles the program until an error is detected. | All errors show once at the end of compilation. |
| It translates the code instruction by instruction. | It translates the entire program at once. |
| It does not require source code for later execution. | It requires source code for later execution. |
| It converts the source code into object code. | It does not convert source code into object code instead it scans it line by line. |
| Compiler scans the whole program in one go. | It translates program one statement at a time. |
| For instance, Python, Ruby, Perl and PHP use an interpreter. | For instance, Java, C++, C, Scala uses a compiler. |