***Java Programming Zero To Hero***

***Day 1 - Assignment 1***

What is the difference between Complier and Interpreter?

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| Compiler | Interpreter |
| Complies the whole program at once | Translates line by line |
| Converts source code into object code | Does not convert source to object code |
| Errors are shown at last once | Errors are shown line by line |
| The complied codes run faster | Complied codes run comparatively slower |
| Compliers generate intermediate machine codes | Interpreter never generate intermediate machine code |
| This is best for production environment | This best suited for development environment |
| Compilers are very difficult to implement because they can’t predict anything | The Interpreted language supports Dynamic Typing |
| Target programs execute independently. They don’t require the Compiler in the memory | Interpreter originally exists in the memory at the time of interpretation |
| It works on the basis of the language-translation linking-loading model | It works on the basis of the Interpretation method |