**Primitive Data Types**

After learning about variable initialization and assignment, you should be aware that data types are serious business. They can determine the success or failure of your project. Therefore, you should know them extremely well. This document should serve as a quick reference guide for the data types we will be using most often in this class. Research each of the terms below and write their definitions in the boxes below

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| **int: Integers. Holds only integers between -2^31 ~ (2^31)-1. Generally used over short and long.** |
| **Double: Holds real numbers (including decimal or fractional numbers). Generally used over float.** |
| **Boolean: Only hold the values of True or False. [! the outcome values True and False are not strings so don’t enclose them with ‘’!]** |
| **float: Holds real numbers (including decimal or fractional numbers)** |
| **char: Holds any data besides numbers (including alphabets, symbols, special figures)** |
| **short: Holds integers between -32768 ~ 32767. Saves more memory when used with small numbers compared to int.** |
| **long: Holds integers between -2^63 ~ (2^63)-1. Only used with huge numbers that don’t fit with int.** |

With help from <https://blog.udemy.com/java-data-types/>