**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 : represents integer (only whole number, no decimal/fraction)** |
| **double: 64 bit float primitive type, used for any real number with decimal** |
| **Boolean: holds values true/false, used as on/off switch** |
| **float: 32 bit float primitive type** |
| **char: single character– letter, digit, punctuation mark, tab, space, etc.-- enclosed in single quotation marks** |
| **short: 16 bit signed integer primitive type, used to store smaller numbers– between -32768 and +32767** |
| **long: 64 bit signed integer primitive type** |