**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 in Java are represented by the int datatype. An int will hold only whole numbers data, without decimals or fractions. |
| **Double:**  A datatype used to hold decimal numbers. It will hold any real number (including decimals) that you will need in this course. |
| **boolean:**  The boolean datatype can only hold the values of true or false. It is used as an on/off switch in Java programs. |
| **float:**  Variable with a fractional value |
| **char:**  A data type large enough to contain any member of the “basic execution **character** set |
| **short:**  Signed integer type that is at least 16 bits in size |
| **long:**  Signed integer type that is at least 32 bits in size |