**Primitive Data Types**

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| **int : “integer”; a data type that can hold whole numbers from a range from −2,147,483,648 to 2,147,483,647; size=4 bytes.** |
| **Double: a data type used for decimal numbers; should not be used for whole numbers** |
| **Boolean: a data type used for data with two values: true or false; represents one bit of information** |
| **float: used to save memory for large arrays of floating point numbers; floating point numbers=decimal number “floats” because there’s no beginning or end for said value** |
| **char:  stores any character data** |
| **short: 16-bit complement 2’s integer; used to save memory; range (-32,768 and 32,767)** |
| **long: 64-bit complement 2’s integer; an “int” with a longer range (-263 to 263-1)** |