**Datatypes in Java with its details**

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| **DATATYPE** | **WRAPPER CLASS** | **MEMORY** | **RANGE** |
| byte | Byte | 1 byte | Whole numbers from -128 to 127 |
| short | Short | 2 bytes | Whole numbers from -32,768 to 32,767 |
| int | Integer | 4 bytes | Whole numbers from -2,147,483,648 to 2,147,483,647 |
| long | Long | 8 bytes | Whole numbers from -9,223,372,036,854,775,808 to 9,223,372,036,854,775,807 |
| float | Float | 4 bytes | Stores fractional numbers. Sufficient for storing 6 to 7 decimal digits |
| double | Double | 8 bytes | Stores fractional numbers. Sufficient for storing 15 decimal digits |
| char | Character | 2 bytes | Stores a single character/letter or ASCII values |
| String | - | Depends on the string | Size of the string |
| bool | Boolean | 1 byte | Stores true or false |