

### Java Data Type

|            | Byte | Short  | Int            | Long                       |
|------------|------|--------|----------------|----------------------------|
| Bit        | 8    | 16     | 32             | 64                         |
| Min Range  | -128 | -32768 | -2,147,483,648 | -9,223,372,036,854,775,808 |
| Max Range  | 127  | 32767  | 2,147,483,647  | 9,223,372,036,854,775,807  |
| Max Digit  | 3    | 5      | 10             | 19                         |
| Null Value | 0    | 0      | 0              | 0L                         |

|            | Float       | Double        |
|------------|-------------|---------------|
| Bit        | 32          | 64            |
| Null Value | 0.0f        | 0.0d          |
| Specialty  | Save Memory | Default Value |

|               | Boolean       |
|---------------|---------------|
| Bit           | 1             |
| Values        | True or False |
| Default Value | False         |
| One Equals To | True          |

|              | Char               |
|--------------|--------------------|
| Bit          | 16                 |
| Min value    | '\u0000' or 0      |
| Max Value    | '\uffff' or 65,535 |
| Character As | 'A'                |