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| --- | --- | --- | --- | --- | --- |
| Type | Description | Default | Size | Example Literals | Range of values |
| boolean | True or False | False | 1 bit | True, False | True, False |
| byte | Twos complement integer | 0 | 8 bits | None | -128 to 127 |
| char | Unicode character | \u0000 | 16 bits | ‘a’, ‘\u0041’, ‘\101’, ‘\\’, ‘\’, ‘\n’, | Characters representation of ASCII values 0 to 255 |
| short | Twos complement integer | 0 | 16 bits | None | -32,768 to 32,767 |
| int | Twos complement integer | 0 | 32 bits | -2,-1,0,1,2 | -2,147,483,648  To  2,147,483,647 |
| long | Twos complement integer | 0 | 64 bits | -2L,-1L,0L,1L,2L | -9,223,372,036,854,775,808  To  9,223,372,036,854,775,807 |
| float | IEEE 754 floating point | 0.0 | 32 bits | 1.23e100f,  -1.23e-100f, .3f, 3.14F | Upto 7 decimal digits |
| double | IEEE 754 floating point | 0.0 | 64 bits | 1.23456e300d, -1.23456e-300d, 1e1d | Upto 16 decimal digits |