Data types in the language C

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| **Name of the type** | **Designation** | **Size** | **Interval** |
| bool | Boolean | 1 | false **and** true |
| char | character | 1 | -128 **to** +127 |
| unsigned char | character | 1 | 0 **to** 255 |
| short int | short integer | 2 | -32768 **to** +32767 |
| unsigned short int | unsigned short integer | 2 | 0 **to** 65535 |
| int | integer | 4 | -2 147 483 648 **to** 2 147 483 647 |
| unsigned int | unsigned integer | 4 | 0 **to** 4 294 967 295 |
| long long | long integer | 8 | -9 223 372 036 854 775 808 **to** 9 223 372 036 854 775 807 |
| unsigned long long | unsigned long integer | 8 | 0 **to** 18446744073709551615 |
| float | real number | 4 | -3.4 × 10+38 **to** -1.17 × 10-38 **and** 1.17 × 10-38 **to** 3.4 × 10+38  (1.2 × 10-7 precision) |
| double | double-precision real number | 8 | -1.8 × 10+308 **to** -2.2 × 10-308 **and** 2.2 × 10-308 **to** 1.8 × 10+308 (2.2 × 10-16 precision) |