**Data types in C language**

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| **Data Type** | **Format Specifier** | **Minimal Range** | **Typical Bit Size** |
| unsigned char | %c | 0 to 255 | 8 |
| char | %c | -127 to 127 | 8 |
| signed char | %c | -127 to 127 | 8 |
| int | %d, %i | -32,767 to 32,767 | 16 or 32 |
| unsigned int | %u | 0 to 65,535 | 16 or 32 |
| signed int | %d, %i | Same as int | Same as int  16 or 32 |
| short int | %hd | -32,767 to 32,767 | 16 |
| unsigned short int | %hu | 0 to 65,535 | 16 |
| signed short int | %hd | Same as short int | 16 |
| long int | %ld, %li | -2,147,483,647 to 2,147,483,647 | 32 |
| long long int | %lld, %lli | -(263 – 1) to 263 – 1 (It will be added by the C99 standard) | 64 |
| signed long int | %ld, %li | Same as long int | 32 |
| unsigned long int | %lu | 0 to 4,294,967,295 | 32 |
| unsigned long  long int | %llu | 264 – 1 (It will be added by the C99 standard) | 64 |
| float | %f | 1E-37 to 1E+37 along with six digits of the precisions here | 32 |
| double | %lf | 1E-37 to 1E+37 along with six digits of the precisions here | 64 |
| long double | %Lf | 1E-37 to 1E+37 along with six digits of the precisions here | 80 |

**Key words / reserve words in C language**

