**C++ Data Type Table:**

|  |  |  |  |
| --- | --- | --- | --- |
| Data Type | Byte | Digits | Range Value |
| char | 1 |  | -128 ~ 127 |
| unsigned char | 1 |  | 0 ~ 255 |
| short | 2 | 5 | -32,768 ~ 32,767 |
| unsigned short | 2 | 5 | 0 ~ 65,535 |
| int | 2 / 4 | 5 | -32,768 ~ 32,767 |
| unsigned int | 2 / 4 | 5 | 0 ~ 65,535 |
| long | 4 | 10 | -2,147,483,648 ~ 2,147,483,647 |
| unsigned long | 4 | 10 | 0 ~ 4294967295 |
| float | 4 | ≈ 7 / 8 | 3.4 x 10-38 ~ 3.4 x 1038 |
| double | 8 | ≈ 15 | 1.7 x 10-308 ~ 1.7 x 10308 |
| long double | 10 | ≈ 19 | 3.4 x 10-4932 ~ 1.1 x 104932 |

Relatively new type

long long 8 19 -9223372036854775808 to 9223372036854775807

unsigned long long 8 20 0 to 18446744073709551615