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| --- | --- | --- | --- |
| **자료형** | **Byte** | **범위** | **출력 형식** |
| 정수 | int | System dependent | | %d |
| unsigned int | System dependent | | ％u |
| \_int8 | 1 Byte | -128 ~ 127 | %d |
| \_int16 | 2 Byte | -32,768 ~ 32,767 |
| \_int32 | 4 Byte | -2,147,483,648 ~　2,147,483,647  (visual studio에서 -2,147,483,647 – 1로 입력) |
| \_int64 | 8 Byte | –9,223,372,036,854,775,808  9,223,372,036,854,775,807 |
| short | 2 Byte | -32,768 ~ 32.767 |
| long | 4 Byte | -2,147,483,648 ~　2,147,483,647  (visual studio에서 -2,147,483,647 – 1로 입력) | ％lld |
| long long | 8 Byte | –9,223,372,036,854,775,808 ~ 9,223,372,036,854,775,807 |
| unsigned long | 4 Byte | 0 ~ 4,294,967,295 | %lu |
| unsigned long long | 8 Byte | 0 ~ 18,446,744,073,709,551,615 | %llu |
| 문자형 | char | 1 Byte | -128 ~ 127 | %c |
| unsigned char | 1 Byte | 0 ~ 255 |
| wchar\_t | 2 Byte | 0 ～ 65,535 | %c |
| 불형 (C++에서지원) | bool | 1 Byte | true or false | %d |
| 실수 | float | 4 Byte | -3.4E-38 ~  3.4E + 38 | %f |
| double | 8 Byte | -1.79769e+308 ~ 1.79769e-308 (정확성 소수점 15자리) | %lf |