Tipuri de date C++ utilizate de platforma CodeBlocks

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| **Tipe** | **Dimensiune** | **Domeniu de valori** |
| char | 1byte | -128 - 127 |
| unsigned char | 1byte | 0 - 255 |
| signed char | 1byte | -127 - 127 |
| short int  signed short int  short | 2bytes | -32768 - 32767 |
| unsigned short int | 2 bytes | 0 - 65,535 |
| signed int  int | 4bytes | -2147483648 - 2147483647 |
| unsigned int | 4 bytes | 0 - 4294967295 |
| long int  long  signed long int | 4bytes | -2,147,483,648 - 2,147,483,647 |
| bool | 1byte | 0,1(false, true) |
| unsigned long int | 4bytes | 0 - 4,294,967,295 |
| long long | 8Bytes | -9223372036854775808 - 9223372036854775807 |
| float | 4bytes | +/- 3.4e +/- 38 (~7 digits) |
| double | 8bytes | +/- 1.7e +/- 308 (~15 digits) |
| long double | 12bytes | +/-1.0E+/-4932 (19 digits) |

<climits>

<limits.h>

|  |  |
| --- | --- |
| UCHAR\_MAX | 255 |
| CHAR\_MIN | -128 |
| CHAR\_MAX | 127 |
| SHRT\_MIN | -32768 |
| SHRT\_MAX | 32767 (215-1) |
| USHRT\_MAX | 65535 (216-1) |
| INT\_MIN | -2147483648 |
| INT\_MAX | 2147483647 |
| UINT\_MAX | 4294967295 |
| LONG\_MIN | -2147483647 (-231+1) |
| LONG\_MAX | 2147483647 (231-1) |
| ULONG\_MAX | 4294967295 (232-1) |
| LLONG\_MIN | -9223372036854775807 |
| LLONG\_MAX | 9223372036854775807 (263-1) |
| ULLONG\_MAX | 18446744073709551615 (264-1) |

<http://cppforschool.com/tutorial-pdf.html>

<http://www.lmpt.univ-tours.fr/~volkov/C++.pdf>