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Experiment #1: **Data types of a programming language**

Experiment questions:

- What is your programming language? C
- What is the compiler and version number? Visual Studio, 2013
- List down the minimum and maximum value of each data type

Example data type:

Data type	Range (N/A if not applicable)
Unsigned char	0 to 255
Signed char	-128 to 127
Unsigned short int	0 to 65535
Signed short int	-32, 768 to 32, 767
Unsigned int	0 to 4,294,967,295
Signed int	-2,147,483,648 to 2,147,483,647
Unsigned long int	0 to 4294967295
Signed long int	-2147483648 to 2147483647
Unsigned long long int	0 to 18,446,744,073,709,551,615
Signed long long int	-9223372036854775808 to 9223372036854775807
Pointer	n/a
Float	1.2E-38 to 3.4E+38
Double	2.3E-308 to 1.7E+308
Long double	3.4E-4932 to 1.1E+4932
Other data type …	

bool true or false

wide character (wchar_t) 0 to 65535