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Inlab4.pdf

What is your name? Selinie Wang (jw6qe@virginia.edu)
What is your quest? To pass CS2150
What is your favorite color? Orange

Size of C++ data types

C++ Type	Size in bytes?	Max value? (base 10)	Zero is stored as (in hex)?	One (or 1.0) is stored as (in hex)?
int	4	2,147,483,647	0x00000000	0x00000001
unsigned int	4	4,294,967,295	0x00000000	0x00000001
float	4	3.40282×10^{38}	0x00000000	0x3f800000
double	8	1.79769×10^{308}	0x0000000000000000	0x3ff0000000000000
char	1	255	Char '0'= 0x00000030	Char '1'= 0x00003031
bool	1	1	false = 0x00303100	true = 0x30310001
C++ Type	Size in bytes?	Max value? (base 16 (hexadecimal))	NULL is stored as?	
int*	8	4,294,967,295	0	
char*	8	4,294,967,295	0	
double*	8	4,294,967,295	0	

Primitive Arrays in C++

How does the compiler determine the address of **&(IntArray2D[i][j])**? Assume the array is defined as: **int IntArray2D[6][5];**

&(IntArray2D[6][5] = (5(6) + 5) * sizeof(int)