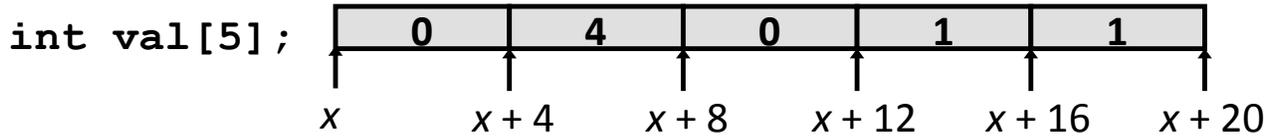


CSCI 2330 – Pointer Exercises

Consider the array shown below with the specified contents, starting at memory address x . For each of the expressions given below, give the **type** (e.g., **int** or **int***) of the expression as well as the **value** of the expression. Assume that **chars** are 8-bits, **ints** are 32-bits and **longs** are 64-bits. Also assume a little-endian machine.



#	Expression	Type	Value
1	<code>val[4]</code>		
2	<code>val</code>		
3	<code>val + 1</code>		
4	<code>&val[2]</code>		
5	<code>*(val + 2)</code>		
6	<code>val + i</code>		
7	<code>val[5]</code>		
8	<code>*((char*) val)</code>		
9	<code>*((long*) val)</code>		