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CHAPTER 9   *(DAY 2 Fore noon)*

ARRAYS, STRINGS, AND POINTERS

CHAPTER – 9

ARRAYS, STRINGS AND POINTERS

POINTER TO ARRAYS

A variable declared as an array of some type acts as a pointer to that type. When used by itself, it points to the first element of the array. A pointer can be indexed like an array name. Pointers and array names can pretty much be used interchangeably. There are exceptions. You cannot assign a new pointer value to an array name. The array name will always point to the first element of the array.

An array is actually very much like pointer. We can declare the arrays first element as a[0] or as int *a because a[0] is an address and *a is also an address the form of declaration is equivalent. The difference is pointer is a variable and can appear on the left of the assignment operator that is lvalue. The array name is constant and cannot appear as the left side of assignment operator.