Pointer Arithmetic & Arrays

You can change the location where a pointer points by incrementing or decrementing it. You can also **generate new pointer** values by adding or subtracting integers from an existing pointer. The **effective address** depends upon the **base type** of the pointer.

Given **4**-byte **int** and **8**-byte **double**, if you add **1** to an integer address, the new address produced is **4** bytes larger than the original pointer value; if you add **1** to a **double** address, the new address is **8** bytes larger.

Of course, unlike a pointer, you **cannot increment or decrement** an array name.

