Dereferencing Arrays

You can also dereference an array, just like a regular pointer, using the regular dereferencing operator. Here are some examples (note the parentheses):

Similarly, you can **combine dereferencing with address arithmetic**, by using the **subscript operator**; you can use the subscript operator on both pointers and arrays. All of these expressions are true.

In fact, in C++, the subscript operator is just shorthand for a combination of address arithmetic along with dereferencing the resulting address.

```
address[offset] -> offset[address] -> *(address + offset)
```



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