

Programming Exercises – Pointers

1. Try using pointers instead of arrays in one of your previous functions, and don't use offset notation! Instead find each value by incrementing or decrementing your pointers.
2. See if you can figure out how double pointers work. Hint: they're pointers to pointers.
3. Use a void pointer.
4. Create some c-string functions using only character pointers and no offset notation. Try these:

String copy: copies one c-string into another

String concat: adds one string onto the end of another

String length: returns the length of a string

Substring: returns the position of a substring within a string

String insert: inserts a string into another string

String replace: inserts a string into another string but doesn't push back the following characters.

String fill: fills a string with a character from a starting position to an ending position.

String reverse: flips a string backwards.