

Arrays in C — Example
Let's write a sort program ...
(Where to get input? let's just generate random values, using library function rand().)

Strings in C • Java has a String class with many useful features and methods. In C that's not possible ... • Instead, in C, strings are arrays of chars, with the convention that the actual text of interest is followed by a null character (8-bit zero, represented in code as $\prime \, \backslash \, 0 \, \prime \, .$ • You can operate on individual characters however you see fit; there are also standard library functions for some common operations (e.g., strcmp to compare two strings — similar to compareTo in Java). • A significant source of potential trouble -- most functions assume that strings

are properly terminated, and (worse) many have no safety check to make sure you don't overflow a destination array.









