

1. Addresses vs Contents of Strings

In C, a string is a sequence of chars stored in memory with a nul char ('\0') at the end to indicate the end of the string. The block of memory that contains that string has an address.

In C, as in any other language, a string has contents and a string has a location. In C, unlike some other languages, you can decide to work with the address or with the contents. Understanding the difference is essential to effective use of the language.

The diagram below shows how assigning an address instead of copying the contents can lead to odd, confusing results.

2. The Wrong Way to Keep a Copy of a String

