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| **EX10-03.cpp:** *Mutable Vs Immutable Strings* | |
| **Line#** | **Code** |
| 1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25  26  27  28  29  30  31  32 | #include <iostream>  using namespace std;  int main() {  const char\* s1 = "abcdef";//Pointer Form // s1 = pointer to character.  char s2[] = "abcdef";//Array Form  //char s2[] = {'a','b','c','d','e','f', 0 };  //char s2[] = { 97,98,99,100,101,102, 0 };  cout << s1 << endl;  cout << s2 << endl;  cout << endl;  cout << "Using Array Syntax:" << endl;  cout << s1[2] << endl;  cout << s2[2] << endl;  cout << endl;  cout << "Using Pointer Syntax:" << endl;  cout << \*(s1 + 2) << endl;  cout << \*(s2 + 2) << endl;  //Question:Are they the same????  cout << "sizeof(s1) is " << sizeof(s1) << endl;  cout << "sizeof(s2) is " << sizeof(s2) << endl;  s1 = "ABC";  //s2 = "ABC";//This will fail as compile time error  //\*s1 = 'X';//This will fail as runtime error  \*s2 = 'X';  return 0;  } |