|  |  |
| --- | --- |
| **EX09-05.cpp:** *Array vs Pointer* | |
| **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  33  34  35 | #include <iostream>  using namespace std;  int main() {  //const char s1[] = "Hello";  const char s1[] = { 'H','e','l','l','o', 0 };  const char\* s2 = "Hello";  cout << s1 << endl;  cout << s2 << endl;  cout << s1[1] << endl;  cout << s2[1] << endl;  cout << \*(s1 + 2) << endl;  cout << \*(s2 + 2) << endl;  //Question: s1 same as s2? Answer: No  //cout << "sizeof(s1):" << sizeof(s1) << endl;  //cout << "sizeof(s2):" << sizeof(s2) << endl;  //s1 = "World";  s2 = "World";  char\* p = (char \*)&s1[1];  \*p = 'X';  cout << s1 << endl;  //The following will crash!  //p = (char\*)&s2[1];  //\*p = 'X';  //cout << s2 << endl;  return 0;  } |