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| **Ch10-02:** *Remove and Trim 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  33  34  35  36  37  38  39  40  41  42  43  44  45  46  47  48  49  50  51  52  53  54  55  56  57  58  59  60  61  62  63  64 | #include <iostream>  using namespace std;  unsigned RemoveC(char\* s, char c) {  unsigned n = 0;  char\* s2 = s;  while (\*s2) {  if (\*s2 == c) n++;  else \*s++ = \*s2;  s2++;  }  \*s = 0;  return n;  }  unsigned RTrim(char\* s) {  char\* s2 = s;  unsigned n = 0;  while (\*s2++);  s2--;//Pointing to the terminator  while (s2-- > s) {  if (\*s2 != ' ') break;  \*s2 = 0;  n++;  }  return n;  }  unsigned LTrim(char\* s) {  char\* s2 = s;  unsigned n = 0;  while (\*s2 == ' ') {  s2++;  n++;  }  if (n) {  while (\*s2) \*s++ = \*s2++;  \*s = 0;  }  return n;  }  unsigned Trim(char\* s) {  return RTrim(s) + LTrim(s);  }  int main() {  char s1[] = " Hello World ";  char s2[] = " Hello World ";  char s3[] = " Hello World ";  char s4[] = " Hello World ";  cout << LTrim(s1) << " character(s) left trimmed from s1" << endl;  cout << "s1:\"" << s1 << "\"" << endl;  cout << RTrim(s2) << " character(s) right trimmed from s2" << endl;  cout << "s2:\"" << s2 << "\"" << endl;  cout << Trim(s3) << " character(s) trimmed from s3" << endl;  cout << "s3:\"" << s3 << "\"" << endl;  cout << RemoveC(s4, ' ') << " character(s) removed from s4" << endl;  cout << "s4:\"" << s4 << "\"" << endl;  return 0;  } |