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| **Ch10-02:** *Remove and Trim Strings* |
| **Line#** | **Code** |
| 12345678910111213141516171819202122232425262728293031323334353637383940414243444546474849505152535455565758596061626364 | #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;} |