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File: replace.cpp
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  Synopsis: This progream replace letter in a phrase.
#include <cstdlib>
#include <iostream>
#include <string>
#include <vector>
using namespace std;
// Function prototypes
void replace(string & phrase, const string & letter, const string &
replacement, vector<char> & text);
void display_phrase(const vector<char> & text);
int main()
  string phrase, letter, replacement;
  vector<char> text vec;
  cout << "Enter phrase: ";</pre>
  getline(cin, phrase);
  if (phrase.length() > 0)
      cout << "Enter letter to replace: ";</pre>
      getline(cin, letter);
      if (letter.length() == 1)
                  cout << "Enter replacement letter: ";</pre>
                  getline(cin, replacement);
                  if (replacement.length() == 1)
                  {
                              replace (phrase, letter, replacement,
text vec);
                              cout << "String phrase: " << phrase << endl;</pre>
                               cout << "Vector phrase: ";</pre>
                               display phrase(text vec);
                               cout << endl;</pre>
                  }
                  else
                  {
                              cout << "Replacement letter must be a single</pre>
letter" << endl;</pre>
                  }
      }
      else
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cout << "Letter to replace must be a single letter" <<</pre>
endl;
      }
  }
 return 0;
}
// FUNCTION
void replace(string & phrase, const string & letter, const string &
replacement, vector<char> & text)
  for(int i = 0; i < phrase.length(); i++) {</pre>
    if (phrase[i] == letter[0]){
      phrase.replace(i, 1, replacement);
    }
  }
  for(int i = 0; i < phrase.length(); i++){</pre>
    text.push back(phrase[i]);
  }
void display_phrase(const vector<char> & text)
  for(int i = 0; i < text.size(); i++){</pre>
    cout << text[i];</pre>
  }
}
```