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#include <iostream>
#include <string>

using namespace std;

int main()
{
    string s1;
    string s2("Thomas");
    string s3 = "Gibbons";
    string s4 = "\nEnter a word:\n";
    string s5;

    cout << s4;
    cin >> s1;

    cout << s1 << endl;           //input
        << s2 << endl;           //Thomas
        << s3 << endl;           //Gibbons
        << s2 + s3 << endl;       //ThomasGibbons

    cout << s1 << endl;           //input
    if (s1 != (s2+s3)){
        s1=(s2+s3);
        cout << s2 + s3 << endl; //ThomasGibbons
    }
    if (s1 == (s2+s3)){
        s1=s2;
        cout << s1 << endl;      //Thomas
    }
    string line;
    cout << "\nEnter some text, finish it with an &" << endl;
    getline(cin, line, '&');
    cout << line << endl;        //inputed line

    int length=line.size();
    while (length>0){
        if (isspace(line[length]))
            line[length]= '.';
        else if (islower(line[length]))
            line[length]=toupper(line[length]);
        else if (isupper(line[length]))
            line[length]=tolower(line[length]);
        length--;
    }
    cout << line << endl;        //edited line
    if (s5.empty()){
        cout << "\nEnter string: ";
        cin >> s5;
        cout << "\nLength: " << s5.size() << endl; //Length of input
    }
    if(s2<s3){
        cout << s2 << " comes before " << s3 << endl;
    }
}

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    }  
    if(s2>s3){  
        cout    <<  s3    <<  " comes before " << s2    << endl;  
    }  
    return 0;  
}
```