8a

#include <iostream>

#include <string>

#include <cstring>

using namespace std;

const int SIZE =81;

void toUpperCase(char[]);

void toLowerCase(char[]);

void numberOfLetters(char[]);

void firstLetter(char[]);

void lastLetter(char[]);

void compareWords(char[],char[]);

int main()

{

char firstChar[SIZE],secondChar[SIZE];

cout<<"enter the first word:"<<endl;

cin.getline(firstChar,SIZE);

cout<<"enter the second word"<<endl;

cin.getline(secondChar,SIZE);

cout<<"report"<<endl;

cout<<"first word :"<<firstChar<<endl;

cout<<endl<<"first word lower case ";toLowerCase(firstChar);

cout<<endl<<"first word upper case ";toUpperCase(firstChar);

cout<<endl<<"first word total characters ";numberOfLetters(firstChar);

cout<<endl<<"first word first character";firstLetter(firstChar);

cout<<endl<<"first word last character";lastLetter(firstChar);

cout<<endl<<"second word :"<<firstChar<<endl;

cout<<endl<<"second word lower case ";toLowerCase(secondChar);

cout<<endl<<"second word upper case ";toUpperCase(secondChar);

cout<<endl<<"second word total characters ";numberOfLetters(secondChar);

cout<<endl<<"second word first character";firstLetter(secondChar);

cout<<endl<<"second word last character";lastLetter(secondChar);

cout<<endl<<endl;compareWords(firstChar,secondChar);

}

void toUpperCase(char word[])

{

for(int i=0;i<strlen(word);i++)

cout<<(char)toupper(word[i]);

}

void toLowerCase(char word[])

{

for (int i =0;i<strlen(word);i++)

cout<<(char)tolower(word[i]);

}

void numberOfLetters(char word[])

{cout<<strlen(word);}

void firstLetter(char word[])

{cout<<word[0];}

void lastLetter(char word[])

{cout<<word[strlen(word)-1];}

void compareWords(char firstCharWord[],char secondCharWord[])

{

if ((strcmp(firstCharWord,secondCharWord)>0))

{cout<<"list"<<endl;cout<<secondCharWord<<endl;cout<<firstCharWord<<endl;}

else if ((strcmp(firstCharWord,secondCharWord)<0))

{cout<<"list"<<endl;cout<<firstCharWord<<endl;cout<<secondCharWord<<endl;}

if ((strcmp(firstCharWord,secondCharWord)==0))

{cout<<"same"<<endl;}

else

{cout<<"not same "<<endl;}

}

Text

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8b

#include <iostream>

#include <string>

#include <cstring>

using namespace std;

void toUpperCase(string);

void toLowerCase(string);

void numberOfLetters(string);

void firstLetter(string);

void lastLetter(string);

void compareWords(string,string);

int main()

{

string firstString,secondString;

cout<<"enter the first word:"<<endl;

getline(cin,firstString);

cout<<"enter the second word"<<endl;

getline(cin,secondString);

cout<<"report"<<endl;

cout<<"first word :"<<firstString<<endl;

cout<<endl<<"first word lower case ";toLowerCase(firstString);

cout<<endl<<"first word upper case ";toUpperCase(firstString);

cout<<endl<<"first word total characters ";numberOfLetters(firstString);

cout<<endl<<"first word first character";firstLetter(firstString);

cout<<endl<<"first word last character";lastLetter(firstString);

cout<<endl<<"second word :"<<secondString<<endl;

cout<<endl<<"second word lower case ";toLowerCase(secondString);

cout<<endl<<"second word upper case ";toUpperCase(secondString);

cout<<endl<<"second word total characters ";numberOfLetters(secondString);

cout<<endl<<"second word first character";firstLetter(secondString);

cout<<endl<<"second word last character";lastLetter(secondString);

cout<<endl<<endl;compareWords(firstString,secondString);

}

void toUpperCase(string word)

{

for(int i=0;i<word.length();i++)

cout<<(char)toupper(word[i]);

}

void toLowerCase(string word)

{

for (int i =0;i<word.size();i++)

cout<<(char)tolower(word.at(i));

}

void numberOfLetters(string word)

{cout<<word.length();}

void firstLetter(string w)

{cout<<w.at(0);}

void lastLetter(string w)

{cout<<w[w.size()-1];}

void compareWords(string firstCharWord,string secondCharWord)

{

if (firstCharWord == secondCharWord)

cout<<"same"<<endl;

else

cout<<"not same"<<endl;

if (firstCharWord > secondCharWord)

{cout<<secondCharWord<<endl;cout<<firstCharWord<<endl<<endl;}

else {cout<<firstCharWord<<endl;cout<<secondCharWord<<endl<<endl;}

}

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