Mod 4 Assignment

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Author Note

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// Simple Contact Manager program

#include <iostream>

#include <string>

#include <cstdlib>

#include <iomanip>

using namespace std;

int main()

{

int arraySize = 5;

string nameArray[5] = {""};

string numberArray[5] = {""};

string searchTerm = "";

bool swapped;

cout <<"Please enter 3 contat names and numbers. "<<endl;

for (int i = 0; i < arraySize; i++) {

cout<<"Please enter a contact name: ";

cin>>nameArray[i];

cout<<"Please enter a contact number: ";

cin>>numberArray[i];

}

// Write sort algorithm here

do {

swapped = false;

for ( int i = 0; i < arraySize - 1; i++ ){

if ( numberArray[i] > numberArray[i + 1]){

swap(numberArray[i], numberArray[i + 1]);

swap(nameArray[i], nameArray[i + 1]);

swapped = true;

}

}

} while (swapped);

// Print the list of users

cout<<endl;

for (int i=0; i <arraySize; i++){

cout<<setw(2)<< i+1<<"."<<" Name: "<<setw(20)<<nameArray[i]<<" | "<<" Number: "<<setw(15)<<numberArray[i]<<endl;

}

// Write search logic here

cout << "Enter a name to search for: ";

cin >> searchTerm;

for ( int i = 0; i < arraySize - 1; i++ ){

if ( searchTerm == nameArray[i]){

cout<<setw(2)<< i+1<<"."<<" Name: "<<setw(20)<<nameArray[i]<<" | "<<" Number: "<<setw(15)<<numberArray[i]<<endl;

}

}

return 0;