//Soliman, Sean

//Class - 439 Sp 2018

//Arrays – Using Parallel arrays

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Program containing sorting (characters & numbers) and parallel Arrays

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// Arrays Using Parallel arrays.cpp : main project file.

#include "stdafx.h"

#include <iostream>

using namespace System;

using namespace std;

int main()

{

system("color f0");

char Stu[] = {'C', 'A', 'M', 'R', 'E', 'B'};

char tempChar;

int Grade1[] = {78, 86, 95, 100, 90, 87};

int Grade2[] = {100, 89, 97, 100, 98, 0};

int tempIntOne,tempIntTwo;

//sort arrays

for(int i=0; i<6; i++){

for(int j=i+1; j<6; j++){

if(Stu[i] > Stu[j]){

//sort student array

tempChar = Stu[i];

Stu[i] = Stu[j];

Stu[j] = tempChar;

//sort Grade1 array

tempIntOne = Grade1[i];

Grade1[i] = Grade1[j];

Grade1[j] = tempIntOne;

//sort Grade2 array

tempIntTwo = Grade2[i];

Grade2[i] = Grade2[j];

Grade2[j] = tempIntTwo;

}

}

}

//print out list

printf("Student\tGrade1\tGrade2\n");

for(int i=0; i<6; i++){

printf("%c\t%d\t%d\n",Stu[i],Grade1[i],Grade2[i]);

}

system("pause");

return 0;

}

