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//Class - 439 Sp 2018

//at the end of the lab period part 3

// at the end of the lab period part 3.cpp : main project file.

#include "stdafx.h"

#include <iostream>

using namespace System;

using namespace std;

int count = 0;

int arrDup[9];

int arrOne[9] = {1,3,5,7,22,41,65,9,18};

int arrTwo[19] = {2,4,5,6,7,8,11,12,18,7,22,16,19,41,42,44,55,62,65};

int main()

{

system("color f0");

//nested for loops to check one loop against the other

for(int i=0; i<9; i++){

for(int j=0; j<19; j++){

if(arrOne[i] == arrTwo[j]){

arrDup[count] = arrOne[i];

count++;

}

}

}

printf("There are %d numbers in array 2 that exist in array1\n", count);

printf("The unduplicated list of these numbers are: \n");

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

//remove any duplicate #s from printing

if (arrDup[i] == arrDup[i-1]){

i++;

}

printf("%d, ", arrDup[i]);

}

printf("\n\n");

system("pause");

return 0;

}

