

Notes From Class

Thursday, February 11, 2016 4:00 PM

Solution to Midterm coding problems has been posted

Project 4 Questions:

- The Submission URL is available. Due date is now Saturday @ 9 PM
- `void unionWithNoDuplicates(const string a1[],
int n1, const string a2[],
int n2, string resultingString[],
int & resultingSize)`

Please return -1 if n1 or n2 is less than or equal to 0

- `unionWithDuplicates({1, 2, 2, 2, 5 }, 5,`
- `{0,1,2,3,4,5,5,6}, 8)`

```
{}    0
{1}   1
{1,2} 2
{1,2,5} 3
{1,2,5,0} 4
```

{1,2,5,0,3,4,6}

Solution:

- Dump all the items from array1 into the resultingString
- Dump all the items from array2 not in array1 into the resultString
- Remove all the duplicates put there....

Solution:

- resultingArray
- Look items in array1
- I kinda want all the items from array1 as long as I don't have them already....
- loop thru resultingArray as we are making it....

- `bool isInIncreasingOrder(const string array[], int n)`
Please use > to test the elements, not >=
- `int flipAround(string array[], int n)`
Please return 0 and do nothing to the array if passed an n of 1 or less.

- What if driver code has:

```
string array[ 8 ] = { "you", "me", "muffin", "michael", "barak", "hillary", "donald", "barry" };
```

And then we say:

```
flipAround( array, 4 );
```

After your function ends, the driver code should have:

```
string array[ 8 ] = { "michael", "muffin", "me", "you", "barak", "hillary", "donald", "barry" };
```

What happens if we try to say:

```
flipAround( array, 10000000 );
```

Project 3 Scores are almost ready. I apologize for the delay...

Course Content: Working with Classes

Student
- mName : string - mID : string
+ Student() + Student(name : string, id : string) + getName() : string + setName(name : string) : void + getID() : string + setID(id : string) : void

RandomNumber
- mMinimum : int - mMaximum : int
+ RandomNumber(min : int, max : int, minInclusive : bool = true, maxInclusive : bool = true) + random() : int