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CPSC 326

Spring 2022

Homework 9

Test Results for Part A

```
PS C:\Users\turne\OneDrive - Gonzaga University\CPSC326\hw9-NoemiTurner> ghci test9a.hs -e main
myReverse 1 [Pass]
myReverse 2 [Pass]
myReverse 3 [Pass]
myReverse 4 [Pass]
myLast 1 [Pass]
myLast 2 [Pass]
myLast 3 [Pass]
myInit 1 [Pass]
myInit 2 [Pass]
myInit 3 [Pass]
myMemb 1 [Pass]
myMemb 2 [Pass]
myMemb 3 [Pass]
myReplace 1 [Pass]
myReplace 2 [Pass]
myReplace 3 [Pass]
myReplace 4 [Pass]
myReplace 5 [Pass]
myReplaceAll 1 [Pass]
myReplaceAll 2 [Pass]
myReplaceAll 3 [Pass]
myElemSum 1 [Pass]
myElemSum 2 [Pass]
myElemSum 3 [Pass]
myRemDups 1 [Pass]
myRemDups 2 [Pass]
myRemDups 3 [Pass]
myRemDups 4 [Pass]
```

```
myListMax 1 [Pass]
myListMax 2 [Pass]
myListMax 3 [Pass]
myMergeSort 1 [Pass]
myMergeSort 2 [Pass]
myMergeSort 3 [Pass]
myMergeSort 4 [Pass]
myMergeSort 5 [Pass]
myMergeSort 6 [Pass]
myMergeSort 7 [Pass]
```

Test Results for Part B

```
PS C:\Users\turne\OneDrive - Gonzaga University\CPSC326\hw9-NoemiTurner> ghci test9b.hs -e main
myReverse 1 [Pass]
myReverse 2 [Pass]
myReverse 3 [Pass]
myReverse 4 [Pass]
myLast 1 [Pass]
myLast 2 [Pass]
myLast 3 [Pass]
myInit 1 [Pass]
myInit 2 [Pass]
myInit 3 [Pass]
myMemb 1 [Pass]
myMemb 2 [Pass]
myMemb 3 [Pass]
myReplace 1 [Pass]
myReplace 2 [Pass]
myReplace 3 [Pass]
myReplace 4 [Pass]
myReplace 5 [Pass]
myReplaceAll 1 [Pass]
myReplaceAll 2 [Pass]
myReplaceAll 3 [Pass]
myElemSum 1 [Pass]
myElemSum 2 [Pass]
myElemSum 3 [Pass]
myRemDups 1 [Pass]
myRemDups 2 [Pass]
myRemDups 3 [Pass]
myRemDups 4 [Pass]
```

```
myListMax 1 [Pass]
myListMax 2 [Pass]
myListMax 3 [Pass]
myMergeSort 1 [Pass]
myMergeSort 2 [Pass]
myMergeSort 3 [Pass]
myMergeSort 4 [Pass]
myMergeSort 5 [Pass]
myMergeSort 6 [Pass]
myMergeSort 7 [Pass]
```

Issues/Challenges

I really struggled to figure out the merge sort functions. I made the mistake of working on both the “non-pattern matching” and the “pattern-matching” merge sort functions at the same time. This led to a lot of confusion and over-thinking. I traced through the algorithm a lot and had to switch my brain to thinking more simply. There was a lot of trial and error during this assignment, but eventually I got the hang of things and started to feel more confident coding in Haskell.