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CPSC 326 Programming Languages

Dr. Bowers

Hw 9

a)

```
kstevens3@ada:~/hw9-katieas$ 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]
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]
myListMax 1 [Pass]
myListMax 2 [Pass]
myListMax 3 [Pass]
myMergeSort 1 [Pass]
myMergeSort 2 [Pass]
myMergeSort 3 [Pass]
```

```
kstevens3@ada:~/hw9-katieas$ 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]
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]
myListMax 1 [Pass]
myListMax 2 [Pass]
myListMax 3 [Pass]
myMergeSort 1 [Pass]
myMergeSort 2 [Pass]
myMergeSort 3 [Pass]
```

b) It was difficult to get started but once I got started it was pretty smooth. I definitely spent the most time working on merge sort. I found it was much easier to write the pattern matching function and get that working before trying to do the if-then-else statement functions.