Question 1

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1/1 point (graded)

Our design of `insert-string` is as follows:

```
;; String ListOfString -> ListOfString
;; insert string in correct place in los (in ascending order)
;; ASSUME: los is already sorted
(check-expect (insert-string S1 empty)(cons S1 empty))
(check-expect (insert-string S1 (cons S2 (cons S3 empty)))
              (cons S1 (cons S2 (cons S3 empty))))
(check-expect (insert-string S2 (cons S1 (cons S3 empty)))
              (cons S1 (cons S2 (cons S3 empty))))
(check-expect (insert-string S3 (cons S1 (cons S2 empty)))
              (cons S1 (cons S2 (cons S3 empty))))

;(define (insert-string str los) los)  ;stub

(define (insert-string str los)
  (cond [(empty? los)(cons str empty)]
        [else
         (if (string>=? str (first los))
             (cons (first los)
                   (insert-string str (rest los))
             (cons str los))]))
```

Do we need a helper for `insert-string` due to the domain knowledge shift rule?

- yes
- no ✔

Explanation
Because `string>=?` already exists, we do not need to write a helper function.

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