CSC301 Assignment #7

For each exercise, submit your code as well as evidence that it works (screen capture).

Exercise 9.6
Write the function **sqsum** of type **int list -> int** that takes a list of integers and returns the sum of the squares of those integers. For example, if you evaluate **sqsum [1,2,3,4]** you should get 1^2 + 2^2 + 3^2 + 4^2 = **30**.

Do not use explicit recursion but use one of the fold functions in order to get full credit. Do not define any additional functions (not even in a let-expression); **sqsum** should be the only named function.

Exercise 9.26
Define a curried function **mymap** of type **('a -> 'b) -> 'a list -> 'b list** that works just like the builtin function **map**. You are *not* allowed to use **map** to implement this function! You are allowed to define additional functions in order to implement this function (similar to the mergesort shown a few chapters ago). Use a let-expression to keep any additional functions private to **mymap**.