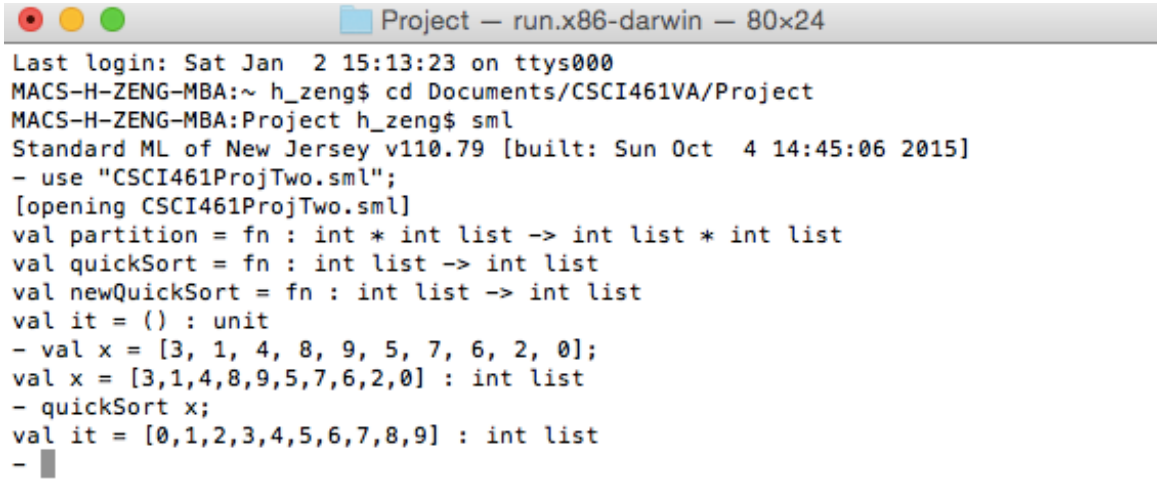
(CSCI 421 VA) Project Two Implement Quick Sort Algorithm

Problem Description(Refer to Exercise 6 on Page 116)
Write a quick sort function of type int list -> int list. Here is a review for quick sort algorithm. First pick an element and call it pivot. (The head of the list is an easy choice for the pivot.) Partition the rest of the list into two sublists, one with all the elements less than the pivot and another one with all the elements not less than the pivot. Recursively sort the sublists. Combine two sublists and pivot into final sorted list.

Requirement:
The solution must follow the style of function merge sort on page 114. The help functions must be made inside let.

Sample Run:
Please see the screen shot below to see the sample run



File to turn in:
Save your function in file names YourNameProjTwo.sml and submit it via blackboard link.

Due Date:
Will be announced on blackboard.