CSC301 Assignment #4

Due Wednesday 10/11 in Sakai.

Write functions for the following specifications. Hand in your source code and a screen shot of your program running with some example data.

Handwritten programs are not accepted!

Problem
Write a function max3 of type int*int*int -> int that returns the largest of three integers.

Problem
Write a function second of type ‘a list -> ‘a that returns the second element of a list. Your function need not behave well on lists with less than two elements.

Problem
Write a function permute of type ‘a list -> ‘a list whose output list is the same as the input list, but with the first two elements of the list swapped.
For example: permute ([1,2,3,4]) should return [2,1,3,4] or permute([“a”,“b”,“c”]) should return [“b”,“a”,“c”]