Activity 10

This is not an individual activity. The students should submit their work as a group of 2 or 3.

a) Create a generic java class called "Combination.java" and write method "getPermutation" that produces a list containing all the ordered combinations (i.e., permutations) of two input vectors of generic types, using the Pair.java class.

b) Display all the produced permutations using a display method in Combination.java class. The display method prints every pair (a,b) in the format <a,b>. Use Iterator to perform loop operation.

Test these two methods using vectors v1 and v2 in AvtivityApplication.java.

hint: You can use DotProduct.java as extra help to complete this activity.