Family name:………………………………………………………………………. Given name:………………………………

Family name:………………………………………………………………………. Given name:………………………………

**Question 1**

For each question in the 3rd Lab SQL quiz:

1. Explain what structures you created
2. Explain Oracle’s execution plan considering the structures you created
3. For the execution plan given, discuss what steps would be executed differently by a column-oriented databases (refer to the physical data structures as well as query processing techniques used)

**Question 2**

For the second exercise, use the affinity matrix method to decide how to fragment the database vertically. Consider now your solution for Exercise 2 in the 3rd Lab SQL quiz. Is Oracle yielding the best result when using the same vertical fragmentation strategy as suggested by the affinity matrix method? **Justify your answer.**