CSE 111 – DATABASE SYSTEMS
Lab 5, September 27, 2012

In this Lab session you will write multiple SQL queries for the TPCH database. You will execute the queries for the data loaded in Lab 2 and check the results.

Write SQL statements for the following queries on the TPCH database:

1. How many suppliers are not from ASIA and MIDDLE EAST?

2. Select name and phone number of the customers with more then the average account balance.

3. For each order that was made in August 1993 find the discount that is bigger then total average discount among all the orders. select $c_name, c_phone from customer where c_acctbal > (select avg(o) from customer)$

4. Select all customers and suppliers that live in the same nation within the MIDDLE EAST region.

5. For each part of a type BRASS and size 15 find the supplier from EUROPE that can supply it at minimum cost (ps_supplycost). Order results by the part type.

6. Based on the available quantity of the items, what is the most popular manufacturer for Supplier#000000011?

7. For each order priority count the number of the items that were ordered by a customers in the summer of 1993 and were received later than its committed date. List the result in ascending priority order.

8. Count the number of suppliers that can supply specific kind of items. Those items should not have a type which name contains MEDIUM POLISHED and should have sizes that is different from 3, 9, 14, 19, 23, 36, 45 and 49. Return item's name, type, size and a count of suppliers.

9. For supplier Supplier#000000085 select items that has total value (ps_supplycost * ps_availqty) that in the top 5% of all supplier's items.

10. For each country code select customers that have never placed any order and have more then average account balance. Country code is identified by first 2 numbers in the telephone number.

You are required to turn in the script with the SQL statements for all the queries and the result you obtained for each query on the TPCH database instance generated in Lab 2.