

ISE 311 HW#3

Answer the following questions for the sample database of the book. Note that your queries must be written based on the data provided in the question, not based on the values in the tables. For example if the question asks to find the orders of Dan Roberts, in your query, you must use the name Dan Roberts, not the EMPL_NUM of Dan Roberts (101) which you can obtain by looking at tables. Do not make assumptions using table values, they may change by time. New employees can be hired; new customers can work with the company, etc.

For each question, give query and the output table you obtained in MS-SQL.

- 1) Write a query that returns a table the columns of which shows the following information for each manufacturer
 - manufacturer's ID
 - the numbers of different customers who ordered its product
 - the total amount of orders given for its all products.
- 2) Solve the previous question but this time print the same information for only the manufacturers who sold products to at least two different customers in 2008.
- 3) Write a query that lists the following information for the customers who ordered a reducer: all information of the customer and the total amount of the orders made for the reducer.
- 4) Consider the orders made by a customer which are taken by the by sales representative assigned to it. For each customer, list its ID number together with the total amount and total quantity of such orders.
- 5) Write a query that lists types and prices of products which are ordered by at least **two different customers** whose credit limit is more than 16000.
- 6) Consider the employees whose sales is more than 200,000. List the names and titles of such employees managing at least two offices together with the number of offices they manage.