LAB-1

SQL Practice exercise

Sample table: salesman

salesman\_id | name | city | commission

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5001 | James Hoog | New York | 0.15

5002 | Nail Knite | Paris | 0.13

5005 | Pit Alex | London | 0.11

5006 | Mc Lyon | Paris | 0.14

5007 | Paul Adam | Rome | 0.13

5003 | Lauson Hen | San Jose | 0.12

Sample table: customer

customer\_id | cust\_name | city | grade | salesman\_id

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3002 | Nick Rimando | New York | 100 | 5001

3007 | Brad Davis | New York | 200 | 5001

3005 | Graham Zusi | California | 200 | 5002

3008 | Julian Green | London | 300 | 5002

3004 | Fabian Johnson | Paris | 300 | 5006

3009 | Geoff Cameron | Berlin | 100 | 5003

3003 | Jozy Altidor | Moscow | 200 | 5007

3001 | Brad Guzan | London | | 5005

Sample table :Orders

ord\_no purch\_amt ord\_date customer\_id salesman\_id

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70001 150.5 2012-10-05 3005 5002

70009 270.65 2012-09-10 3001 5005

70002 65.26 2012-10-05 3002 5001

70004 110.5 2012-08-17 3009 5003

70007 948.5 2012-09-10 3005 5002

70005 2400.6 2012-07-27 3007 5001

70008 5760 2012-09-10 3002 5001

70010 1983.43 2012-10-10 3004 5006

70003 2480.4 2012-10-10 3009 5003

70012 250.45 2012-06-27 3008 5002

70011 75.29 2012-08-17 3003 5007

70013 3045.6 2012-04-25 3002 5001

Q.1 Write a SQL query to find the salespersons and customers who live in same city. Return customer name, salesperson name and salesperson city.

Q.2 write a SQL query to find all the customers along with the salesperson who works for them. Return customer name, and salesperson name.

Q.3 write a SQL query to find those sales people who generated orders for their customers but not located in the same city. Return ord\_no, cust\_name, customer\_id (orders table), salesman\_id (orders table).

Q.4 write a SQL query to find those orders made by customers. Return order number, customer name

Q.5 write a SQL query to find those customers where each customer has a grade and served by at least a salesperson who belongs to a city. Return cust\_name as "Customer", grade as "Grade".

Q.6 Write a SQL query to find those customers who served by a salesperson and the salesperson works at the commission in the range 12% to 14% (Begin and end values are included.). Return cust\_name AS "Customer", city AS "City.

Q.7 write a SQL query to find those orders executed by the salesperson, ordered by the customer whose grade is greater than or equal to 200. Compute purch\_amt\*commission as "Commission". Return customer name, commission as "Commission%" and Commission.

Q.8 write a SQL query to find those customers who made orders on October 5, 2012. Return customer\_id, cust\_name, city, grade, salesman\_id, ord\_no, purch\_amt, ord\_date, customer\_id and salesman\_id.

Q.9 write a SQL query to Count the customers with grades above Bangalore’s average.

Q.10 write a SQL query to Find the name and numbers of all salesmen who had more than one customer.

Q.11. write a SQL query to List all salesmen and indicate those who have and don’t have customers in their cities (Use UNION operation.)

Q.12 write a SQL query to Create a view that finds the salesman who has the customer with the highest order of a day.

Q.13 . write a SQL query to Demonstrate the DELETE operation by removing salesman with id 1000. All his orders must also be deleted.