**KIET GROUP OF INSTITUTIONS**

**DEPARTMENT OF COMPUTER APPLICATIONS**

**LAB ASSIGNMENT 8**

**DBMS Lab (KCA – 252)**

**Assignments on Join**

**Note – Questions from 1 to 14 refer the sample tables Salesman, Customer, Order.**

**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

1. Write a SQL statement to prepare a list with salesman name, customer name and their cities for the salesmen and customer who belongs to the same city.
2. Write a SQL statement to make a list with order no, purchase amount, customer name and their cities for those orders which order amount between 500 and 2000.
3. Write a SQL statement to know which salesman are working for which customer.
4. Write a SQL statement to find the list of customers who appointed a salesman for their jobs who gets a commission from the company is more than 12%.
5. Write a SQL statement to find the list of customers who appointed a salesman for their jobs who does not live in the same city where their customer lives, and gets a commission is above 12%.
6. Write a SQL statement to find the details of a order i.e. order number, order date, amount of order, which customer gives the order and which salesman works for that customer and how much commission he gets for an order.
7. Write a SQL statement to make a list in ascending order for the customer who works either through a salesman or by own.
8. Write a SQL statement to make a list in ascending order for the customer who holds a grade less than 300 and works either through a salesman or by own.
9. Write a SQL statement to make a report with customer name, city, order number, order date, and order amount in ascending order according to the order date to find that either any of the existing customers have placed no order or placed one or more orders.
10. Write a SQL statement to make a report with customer name, city, order number, order date, order amount salesman name and commission to find that either any of the existing customers have placed no order or placed one or more orders by their salesman or by own.

1. Write a SQL statement to make a list in ascending order for the salesmen who works either for one or more customer or not yet join under any of the customers.
2. Write a SQL statement to make a list for the salesmen who works either for one or more customer or not yet join under any of the customers who placed either one or more orders or no order to their supplier.
3. Write a SQL statement to make a list for the salesmen who either work for one or more customers or yet to join any of the customer. The customer may have placed, either one or more orders on or above order amount 2000 and must have a grade, or he may not have placed any order to the associated supplier.
4. Write a SQL statement to make a cartesian product between salesman and customer i.e. each salesman will appear for all customer and vice versa.

**Note – For questions 15 to 19 use sample table company\_mast and item\_mast**

Sample table: company\_mast

COM\_ID COM\_NAME

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11 Samsung

12 iBall

13 Epsion

14 Zebronics

15 Asus

16 Frontech

Sample table: item\_mast

PRO\_ID PRO\_NAME PRO\_PRICE PRO\_COM

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101 Mother Board 3200 15

102 Key Board 450 16

103 ZIP drive 250 14

104 Speaker 550 16

105 Monitor 5000 11

106 DVD drive 900 12

107 CD drive 800 12

108 Printer 2600 13

109 Refill cartridge 350 13

110 Mouse 250 12

1. Write a SQL query to display all the data from the item\_mast, including all the data for each item's producer company.
2. Write a SQL query to display the item name, price, and company name of all the products.
3. Write a SQL query to display the average price of items of each company, showing the name of the company.
4. Write a SQL query to display the names of the company whose products have an average price larger than or equal to Rs. 350.
5. Write a SQL query to display the name of each company along with the ID and price for their most expensive product.

Note – For questions 20 to 23 use the sample tables emp\_deptmen, emp\_details.

Sample table: emp\_departmen

DPT\_CODE DPT\_NAME DPT\_ALLOTMENT

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57 IT 65000

63 Finance 15000

47 HR 240000

27 RD 55000

89 QC 75000

Sample table: emp\_details

EMP\_IDNO EMP\_FNAME EMP\_LNAME EMP\_DEPT

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127323 Michale Robbin 57

526689 Carlos Snares 63

843795 Enric Dosio 57

328717 Jhon Snares 63

444527 Joseph Dosni 47

659831 Zanifer Emily 47

847674 Kuleswar Sitaraman 57

748681 Henrey Gabriel 47

555935 Alex Manuel 57

539569 George Mardy 27

733843 Mario Saule 63

631548 Alan Snappy 27

839139 Maria Foster 57

1. Write a query in SQL to display all the data of employees including their department.
2. Write a query in SQL to display the first name and last name of each employee, along with the name and sanction amount for their department.
3. Write a query in SQL to find the first name and last name of employees working for departments with a budget more than Rs. 50000.
4. Write a query in SQL to find the names of departments where more than two employees are working