SET OPERATIONS

**NAME : ANNAPOORNIMA S**

**ROLLNO :**

**225229101**

SQL> select \*from salesman; SALESMAN\_ID NAME CITY COMMI

-

5001 James Hoog New York .15

5002 Nail Knite Paris .13

5005 Pit Alex London .11

5006 Mc Lyon Paris .14

5007 Paul Adam Rome .13

5003 Lauson Hen San Jose .12

|  |  |  |
| --- | --- | --- |
| 6 rows selected.  SQL> select\*from customer; |  | |
| CUSTOMER\_ID CUST\_NAME CITY |  | GRADE SALESMAN\_ID |
| 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 |

7 rows selected.

SQL> select\*from ordertable;

ORD\_NO PURCH\_AMT ORD\_DATE CUSTOMER\_ID SALESMAN\_ID

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |
| 11 rows selected. |  |  |  |

* **write a SQL query to find all salespeople and customers located in the city of London.**

**SQL> select name,city from salesman where city='London' 2 union**

**3 select cust\_name,city from customer where city='London';**

NAME CITY

Brad Guzan London

Julian Green London Pit Alex London

* **write a SQL query to find distinct salespeople and their cities. Return salesperson ID and city**

**SQL> select salesman\_id,city from customer 2 union**

**3 select salesman\_id,city from salesman;**

SALESMAN\_ID CITY

- 5001 New York

5002 California

5002 London

5002 Paris

5003 Berlin

5003 San Jose

5005 London

5006 Paris

5007 Moscow

5007 Rome

* **write a SQL query to find all those salespeople and customers who are involved in the inventory management system. Return salesperson ID, customer ID.**

**SQL> select salesman\_id,customer\_id from customer 2 union**

**3 select salesman\_id,customer\_id from ordertable;**

SALESMAN\_ID CUSTOMER\_ID

|  |  |
| --- | --- |
| 5001 | 3002 |
| 5001 | 3007 |
| 5002 | 3005 |
| 5002 | 3008 |
| 5003 | 3009 |
| 5005 | 3001 |
| 5006 | 3004 |
| 5007 | 3003 |

* **write a SQL query to find the salespersons who generated the largest and smallest orders on each date. Return salesperson ID, name, order no., highest on/lowest on, order date**

**SQL> select a.salesman\_id,name,ord\_no,'highest on',ord\_date from salesman a,ordertable b where a.salesman\_id=b.salesman\_id and b.purch\_amt=(select max(purch\_amt) from ordertable c where c.ord\_date=b.ord\_date)**

* **union**
* **select a.salesman\_id,name,ord\_no,'lowest on',ord\_date from salesman a,ordertable b where a.salesman\_id=b.salesman\_id and b.purch\_amt=(select min(purch\_amt) from ordertable c where c.ord\_date=b.ord\_date);**

SALESMAN\_ID NAME ORD\_NO 'HIGHESTON ORD\_DATE

-

5001 James Hoog 70002 highest on 2012-10-05

5001 James Hoog 70005 highest on 2012-07-27

5001 James Hoog 70005 lowest on 2012-07-27

5002 Nail Knite 70001 lowest on 2012-10-05

5002 Nail Knite 70007 highest on 2012-09-10

5002 Nail Knite 70012 highest on 2012-06-27

5002 Nail Knite 70012 lowest on 2012-06-27

5003 Lauson Hen 70003 highest on 2012-10-10

5003 Lauson Hen 70004 lowest on 2012-08-17

5005 Pit Alex 70009 lowest on 2012-09-10

5006 Mc Lyon 70010 lowest on 2012-10-10

* **write a SQL query to find the salespeople who generated the largest and smallest orders on each date. Sort the result-set on third field. Return salesperson ID, name, order no., highest on/lowest on, order date**

**SQL> select a.salesman\_id,name,ord\_no,'highest on',ord\_date from salesman a,ordertable b where a.salesman\_id=b.salesman\_id and b.purch\_amt=(select max(purch\_amt) from ordertable c where c.ord\_date=b.ord\_date)**

* **union**
* **select a.salesman\_id,name,ord\_no,'lowest on',ord\_date from salesman a,ordertable b where a.salesman\_id=b.salesman\_id and b.purch\_amt=(select min(purch\_amt) from ordertable c where c.ord\_date=b.ord\_date) order by 3;**

**SALESMAN\_ID NAME ORD\_NO 'HIGHESTON ORD\_DATE**

**----------- ---------- ---------- ---------- ----------**

**5002 Nail Knite 70001 lowest on 2012-10-05**

**5001 James Hoog 70002 highest on 2012-10-05**

**5003 Lauson Hen 70003 highest on 2012-10-10**

**5003 Lauson Hen 70004 lowest on 2012-08-17**

**5001 James Hoog 70005 highest on 2012-07-27**

**5001 James Hoog 70005 lowest on 2012-07-27**

**5002 Nail Knite 70007 highest on 2012-09-10**

**5005 Pit Alex 70009 lowest on 2012-09-10**

**5006 Mc Lyon 70010 lowest on 2012-10-10**

**5007 Paul Adam 70011 highest on 2012-08-17**

**5002 Nail Knite 70012 highest on 2012-06-27**

**SALESMAN\_ID NAME ORD\_NO 'HIGHESTON ORD\_DATE**

**----------- ---------- ---------- ---------- ----------**

**5002 Nail Knite 70012 lowest on 2012-06-27**

**12 rows selected.**