

## WORKSHEET 4

**Student Name:** Vivek Kumar**DOMAIN CAMP:** 16-01-2023 to 28-01-2023**Subject Name:** Database Management System**UID:** 21BCS8129**Section/Group:** DWWC-77**Question1. Consider the following schema** Sample table:

customer_id	customer_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	400	5005

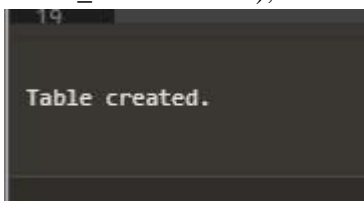
Sample table: salesman

salesman_id	salesman_name	city	commision
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

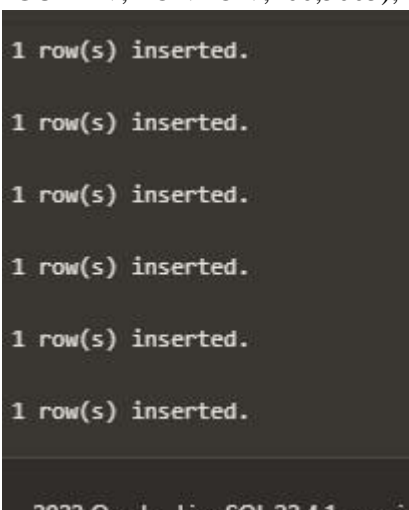
- a) Write a SQL statement to find the list of customers who appointed a salesman for their jobs who gets a commission from the company is more than 12%.
- b) Write a SQL statement to find the list of customers who appointed a salesman for their jobs who does not live in the same city where their customer lives, and gets a commission is above 12%.

**SOLUTION:**

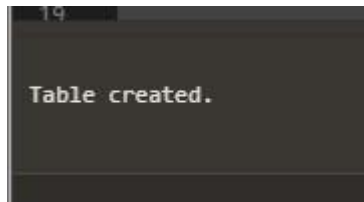
```
CREATE TABLE CUSTOMER(CUSTOMER_ID NUMBER, CUSTOMER_NAME VARCHAR(20), CITY
VARCHAR(20), GRADE NUMBER, SALESMAN_ID NUMBER);
```



```
INSERT INTO CUSTOMER VALUES(3002,'CK RIMANDO','NEW YORK',100,5001);
INSERT INTO CUSTOMER VALUES(3007,'BRAD DAVIS','NEW YORK',200,5001);
INSERT INTO CUSTOMER VALUES(3005,'GRAHAM ZUSI','CALIFORNIA',200,5002);
INSERT INTO CUSTOMER VALUES(3008,'JULIAN GREEN','LONDON',300,5002);
INSERT INTO CUSTOMER VALUES(3004,'FABIAN JOHNSON','PARIS',300,5006);
INSERT INTO CUSTOMER VALUES(3009,'GEOFF CAMERON','BERLIN',100,5003);
INSERT INTO CUSTOMER VALUES(3003,'JOZY ALTIDOR','MOSCOW',200,5007); INSERT
INTO CUSTOMER VALUES(3001,'BRAD GUZAN','LONDON',400,5005);
```



```
CREATE TABLE SALESMAN (SALESMAN_ID NUMBER, SALESMAN_NAME VARCHAR(20), CITY
VARCHAR(20), COMMISSION NUMBER);
```



```
INSERT INTO SALESMAN VALUES(5001,'JAMES HOOG','NEW YORK',0.15);
INSERT INTO SALESMAN VALUES(5002,'NAIL KNITE','PARIS',0.13);
INSERT INTO SALESMAN VALUES(5005,'PIT ALEX','LONDON',0.11);
INSERT INTO SALESMAN VALUES(5006,'MC LYON','PARIS',0.14);
INSERT INTO SALESMAN VALUES(5007,'PAUL ADAM','ROME',0.13);
INSERT INTO SALESMAN VALUES(5003,'LAUSON HEN ','SAN JOSE',0.12);
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

```
1 row(s) inserted.
```

2022 Oracle Live SQL 22.4.1 running

```
SELECT CUSTOMER.CUSTOMER_NAME AS "Customer Name", CUSTOMER.CITY,
SALESMAN.SALESMAN_NAME AS "Salesman", SALESMAN.COMMISION FROM CUSTOMER INNER JOIN
SALESMAN ON CUSTOMER.SALESMAN_ID=SALESMAN.SALESMAN_ID WHERE
SALESMAN.COMMISION>.12;
```

Customer Name	CITY	Salesman	COMMISSION
CK RIMANDO	NEW YORK	JAMES HOOG	.15
BRAD DAVIS	NEW YORK	JAMES HOOG	.15
GRAHAM ZUSI	CALIFORNIA	NAIL KNITE	.13
JULIAN GREEN	LONDON	NAIL KNITE	.13
FABIAN JOHNSON	PARIS	MC LYON	.14
JOZY ALTIDOR	MOSCOW	PAUL ADAM	.13

Download CSV

6 rows selected.

SELECT CUSTOMER.CUSTOMER\_NAME AS "Customer Name", CUSTOMER.CITY,  
SALESMAN.SALESMAN\_NAME AS "Salesman", SALESMAN.CITY,SALESMAN.COMMISSION FROM  
CUSTOMER INNER JOIN SALESMAN ON CUSTOMER.SALESMAN\_ID=SALESMAN.SALESMAN\_ID WHERE  
SALESMAN.COMMISSION>.12 AND CUSTOMER.CITY<>SALESMAN.CITY;

Customer Name	CITY	Salesman	CITY	COMMISSION
GRAHAM ZUSI	CALIFORNIA	NAIL KNITE	PARIS	.13
JULIAN GREEN	LONDON	NAIL KNITE	PARIS	.13
JOZY ALTIDOR	MOSCOW	PAUL ADAM	ROME	.13

Download CSV

3 rows selected.

**Question3. Consider the following table structure Sample**

table: customer customer\_id | customer\_name | city |  
grade | salesman\_id

customer_id	customer_name	city	grade	salesman_id
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	400	5005

Sample table: salesman salesman\_id |

salesman\_name | city | commision

salesman_id	salesman_name	city	commision
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:

orders	ord_no	purch_amt	ord_date	customer_id	salesman_id
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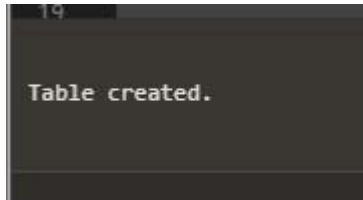
----- 70001

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	

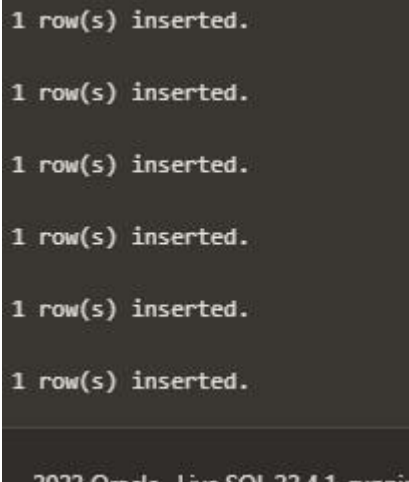
**Write a SQL statement to make a report with customer name, city, order number, order date, order amount salesman name and commission to find that either any of the existing customers have placed no order or placed one or more orders by their salesman or by own.**

**SOLUTION:**

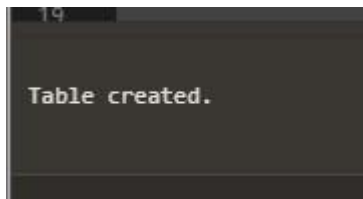
```
CREATE TABLE CUSTOMER(CUSTOMER_ID NUMBER, CUSTOMER_NAME VARCHAR(20), CITY
VARCHAR(20), GRADE NUMBER, SALESMAN_ID NUMBER);
```



```
INSERT INTO CUSTOMER VALUES(3002,'NICK RIMANDO','NEW YORK',100,5001);
INSERT INTO CUSTOMER VALUES(3007,'BRAD DAVIS','NEW YORK',200,5001);
INSERT INTO CUSTOMER VALUES(3005,'GRAHAM ZUSI','CALIFORNIA',200,5002);
INSERT INTO CUSTOMER VALUES(3008,'JULIAN GREEN', 'LONDON',300,5002);
INSERT INTO CUSTOMER VALUES(3004,'FABIAN JOHNSON','PARIS',300,5006);
INSERT INTO CUSTOMER VALUES(3009,'GEOFF CAMERON','BERLIN',100,5003);
INSERT INTO CUSTOMER VALUES(3003,'JOZY ALTIDOR','MOSCOW',200,5007); INSERT
INTO CUSTOMER VALUES(3001,'BRAD GUZAN','LONDON',400,5005);
```



```
CREATE TABLE SALESMAN (SALESMAN_ID NUMBER, SALESMAN_NAME VARCHAR(20), CITY
VARCHAR(20), COMMISSION NUMBER);
```



```
INSERT INTO SALESMAN VALUES(5001,'JAMES HOOG','NEW YORK',0.15);
INSERT INTO SALESMAN VALUES(5002,'NAIL KNITE','PARIS',0.13);
INSERT INTO SALESMAN VALUES(5005,'PIT ALEX','LONDON',0.11);
INSERT INTO SALESMAN VALUES(5006,'MC LYON','PARIS',0.14);
INSERT INTO SALESMAN VALUES(5007,'PAUL ADAM','ROME',0.13);
```

INSERT INTO SALESMAN VALUES(5003,'LAUSON HEN ','SAN JOSE',0.12);

```
1 row(s) inserted.  
1 row(s) inserted.  
1 row(s) inserted.  
1 row(s) inserted.  
1 row(s) inserted.  
1 row(s) inserted.
```

Create Table orders(order\_no number, purch\_amt number(6,2), ord\_date date, customer\_id number, salesman\_id number);

```
Table created.
```

```
insert into orders values(70001, 150.5, to_date('18-05-2012', 'DD-MM-YYYY'),3005, 5002);  
insert into orders values(70009, 270.65, to_date('09-10-2012', 'DD-MM-YYYY'),3001, 5005);  
insert into orders values(70002, 65.26, to_date('10-05-2012', 'DD-MM-YYYY'),3002, 5001);  
insert into orders values(70004, 110.5,to_date( '18-08-2012', 'DD-MM-YYYY'),3009, 5003);  
insert into orders values(70007, 948.5, to_date('09-10-2012', 'DD-MM-YYYY'),3005, 5002);  
insert into orders values(70005, 2400.6,to_date( '27-07-2012', 'DD-MM-YYYY'),3007, 5001);  
insert into orders values(70008, 5760,to_date( '09-10-2012', 'DD-MM-YYYY'),3002, 5001); insert  
into orders values(70010, 1983.43,to_date( '10-10-2012','DD-MM-YYYY'), 3004, 5006); insert  
into orders values(70003, 2480.4, to_date('10-10-2012', 'DD-MM-YYYY'),3009, 5003); insert  
into orders values(70012, 250.45, to_date('27-06-2012', 'DD-MM-YYYY'),3008, 5002); insert  
into orders values(70011, 75.29, to_date('17-08-2012', 'DD-MM-YYYY'),3003, 5007); insert into  
orders values(70013, 3045.6,to_date( '25-04-2012', 'DD-MM-YYYY'),3002, 5001);
```



```
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
```

2022-Order\_Live-SQL-22-4-1-running

```
SELECT a.customer_name,a.city, b.order_no, b.ord_date,b.purch_amt AS "Order_Amount",
c.salesman_name,c.commission FROM customer a LEFT OUTER JOIN orders b ON a.customer_id=b.customer_id LEFT
OUTER JOIN salesman c ON c.salesman_id=b.salesman_id;
```

CUSTOMER_NAME	CITY	ORDER_NO	ORD_DATE	Order_Amount	SALESMAN_NAME	COMMISSION
NICK RIMANDO	NEW YORK	70002	10-MAY-12	65.26	JAMES HOOG	.15
BRAD DAVIS	NEW YORK	70005	27-JUL-12	2400.6	JAMES HOOG	.15
NICK RIMANDO	NEW YORK	70008	09-OCT-12	5760	JAMES HOOG	.15
NICK RIMANDO	NEW YORK	70013	25-APR-12	3045.6	JAMES HOOG	.15
GRAHAM ZUSI	CALIFORNIA	70001	18-MAY-12	150.5	NAIL KNITE	.13
GRAHAM ZUSI	CALIFORNIA	70007	09-OCT-12	948.5	NAIL KNITE	.13
JULIAN GREEN	LONDON	70012	27-JUN-12	250.45	NAIL KNITE	.13
BRAD GUZAN	LONDON	70009	09-OCT-12	270.65	PIT ALEX	.11
FABIAN JOHNSON	PARIS	70010	10-OCT-12	1983.43	MC LYON	.14
JOZY ALTIDOR	MOSCOM	70011	17-AUG-12	75.29	PAUL ADAM	.13
GEOFF CAMERON	BERLIN	70004	18-AUG-12	110.5	LAUSON HEN	.12
GEOFF CAMERON	BERLIN	70003	10-OCT-12	2400.4	LAUSON HEN	.12

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**Question4. For the given structure of following tables**

Sample table: customer customer\_id | customer\_name | city

| grade | salesman\_id -----+-----+-----+-----

---+----- 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 | 400 | 5005

Sample table: salesman salesman\_id |

salesman\_name | city | commision

-----+-----+-----+-----

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: orders ord\_no purch\_amt ord\_date

customer\_id salesman\_id

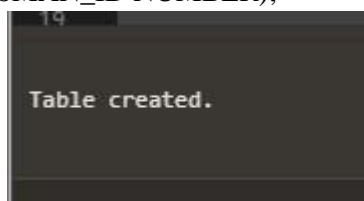
----- 70001

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

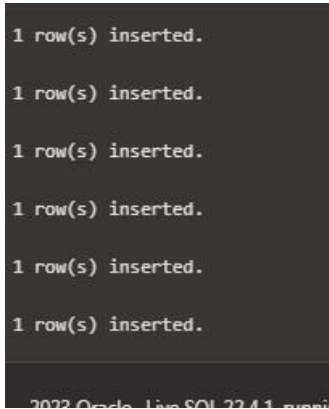
Write a SQL statement to make a list for all salesmen along with customer name, city, grade, order number, date, and amount. Condition for selecting list of salesmen : 1. Salesmen who works for one or more customer or, 2. Salesmen who not yet join under any customer, Condition for selecting list of customer : 3. placed one or more orders, or 4. no order placed to their salesman.

#### SOLUTION:

```
CREATE TABLE CUSTOMER(CUSTOMER_ID NUMBER, CUSTOMER_NAME VARCHAR(20), CITY
VARCHAR(20), GRADE NUMBER, SALESMAN_ID NUMBER);
```



```
INSERT INTO CUSTOMER VALUES(3002,'NICK RIMANDO','NEW YORK',100,5001);  
INSERT INTO CUSTOMER VALUES(3007,'BRAD DAVIS','NEW YORK',200,5001);  
INSERT INTO CUSTOMER VALUES(3005,'GRAHAM ZUSI','CALIFORNIA',200,5002);  
INSERT INTO CUSTOMER VALUES(3008,'JULIAN GREEN', 'LONDON',300,5002);  
INSERT INTO CUSTOMER VALUES(3004,'FABIAN JOHNSON','PARIS',300,5006);  
INSERT INTO CUSTOMER VALUES(3009,'GEOFF CAMERON','BERLIN',100,5003);  
INSERT INTO CUSTOMER VALUES(3003,'JOZY ALTIDOR','MOSCOW',200,5007); INSERT  
INTO CUSTOMER VALUES(3001,'BRAD GUZAN','LONDON',400,5005);
```



```
1 row(s) inserted.  
  
1 row(s) inserted.  
  
1 row(s) inserted.  
  
1 row(s) inserted.  
  
1 row(s) inserted.  
  
1 row(s) inserted.
```

```
CREATE TABLE SALESMAN (SALESMAN_ID NUMBER, SALESMAN_NAME VARCHAR(20), CITY  
VARCHAR(20), COMMISSION NUMBER);
```



```
Table created.
```

```
INSERT INTO SALESMAN VALUES(5001,'JAMES HOOG','NEW YORK',0.15);  
INSERT INTO SALESMAN VALUES(5002,'NAIL KNITE','PARIS',0.13);  
INSERT INTO SALESMAN VALUES(5005,'PIT ALEX','LONDON',0.11);  
INSERT INTO SALESMAN VALUES(5006,'MC LYON','PARIS',0.14);  
INSERT INTO SALESMAN VALUES(5007,'PAUL ADAM','ROME',0.13);  
INSERT INTO SALESMAN VALUES(5003,'LAUSON HEN ','SAN JOSE',0.12);
```

```
1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

Create Table orders(order\_no number, purch\_amt number(6,2), ord\_date date, customer\_id number, salesman\_id number);

```
14
Table created.
```

insert into orders  
values(70001, 150.5, to\_date('18-05-2012', 'DD-MM-YYYY'),3005, 5002); insert into orders  
values(70009, 270.65, to\_date('09-10-2012', 'DD-MM-YYYY'),3001, 5005); insert into orders  
values(70002, 65.26, to\_date('10-05-2012', 'DD-MM-YYYY'),3002, 5001); insert into orders  
values(70004, 110.5, to\_date('18-08-2012', 'DD-MM-YYYY'),3009, 5003); insert into orders  
values(70007, 948.5, to\_date('09-10-2012', 'DD-MM-YYYY'),3005, 5002); insert into orders  
values(70005, 2400.6, to\_date('27-07-2012', 'DD-MM-YYYY'),3007, 5001); insert into orders  
values(70008, 5760, to\_date('09-10-2012', 'DD-MM-YYYY'),3002, 5001); insert into orders  
values(70010, 1983.43, to\_date('10-10-2012', 'DD-MM-YYYY'), 3004, 5006); insert into orders  
values(70003, 2480.4, to\_date('10-10-2012', 'DD-MM-YYYY'),3009, 5003); insert into orders  
values(70012, 250.45, to\_date('27-06-2012', 'DD-MM-YYYY'),3008, 5002); insert into orders  
values(70011, 75.29, to\_date('17-08-2012', 'DD-MM-YYYY'),3003, 5007); insert into orders  
values(70013, 3045.6, to\_date('25-04-2012', 'DD-MM-YYYY'),3002, 5001);

```
1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.

1 row(s) inserted.
```

SELECT a.customer\_name,a.city,a.grade, b.salesman\_name AS "Salesman", c.order\_no, c.ord\_date, c.purch\_amt FROM customer a RIGHT OUTER JOIN salesman b ON b.salesman\_id=a.salesman\_id RIGHT OUTER JOIN orders c ON c.customer\_id=a.customer\_id;

CUSTOMER_NAME	CITY	GRADE	Salesman	ORDER_NO	ORD_DATE	PURCH_AMT
NICK RIMANDO	NEW YORK	100	JAMES HOOG	70002	10-MAY-12	65.26
NICK RIMANDO	NEW YORK	100	JAMES HOOG	70008	09-OCT-12	5760
NICK RIMANDO	NEW YORK	100	JAMES HOOG	70013	25-APR-12	3045.6
BRAD DAVIS	NEW YORK	200	JAMES HOOG	70005	27-JUL-12	2400.6
GRAHAM ZUSI	CALIFORNIA	200	NAIL KNITE	70001	18-MAY-12	150.5
GRAHAM ZUSI	CALIFORNIA	200	NAIL KNITE	70007	09-OCT-12	948.5
JULIAN GREEN	LONDON	300	NAIL KNITE	70012	27-JUN-12	250.45
FABIAN JOHNSON	PARIS	300	MC LYON	70010	10-OCT-12	1983.43
GEOFF CAMERON	BERLIN	100	LAUSON HEN	70004	18-AUG-12	110.5
GEOFF CAMERON	BERLIN	100	LAUSON HEN	70003	10-OCT-12	2480.4
JOZY ALTIDOR	MOSCOM	200	PAUL ADAM	70011	17-AUG-12	75.29
BRAD GUZAN	LONDON	400	PIT ALEX	70009	09-OCT-12	270.65

Download CSV

**Question5. 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. The database contains the following table**

Sample table: customer

customer_id	customer_name	city	grade	salesman_id
-------------	---------------	------	-------	-------------

```
-----+-----+-----+-----+-----
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 | 400 | 5005

Sample table: salesman salesman\_id |

salesman\_name | city | commision

-----+-----+-----+-----

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:

orders 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

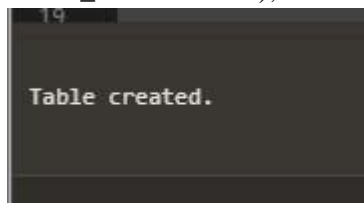
70007 948.5 2012-09-10 3005 5002



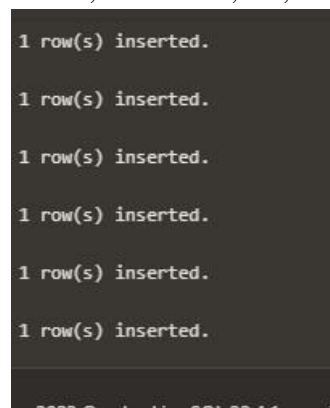
70005	2400.6	2012-07-27	3007	5001
70008	5760	2012-09-10	3002	5001
70010	1983.43	2012-10-10	3004	5006
70003	2480.4	2012-10-10	3009	5003
70012	250.45	2012-06-27	3008	5002
70011	75.29	2012-08-17	3003	5007

**SOLUTION:**

CREATE TABLE CUSTOMER(CUSTOMER\_ID NUMBER, CUSTOMER\_NAME VARCHAR(20), CITY VARCHAR(20), GRADE NUMBER, SALESMAN\_ID NUMBER);

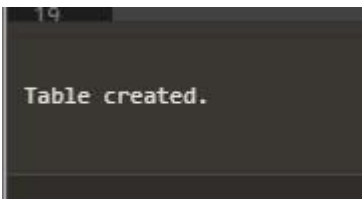


```
INSERT INTO CUSTOMER VALUES(3002,'NICK RIMANDO','NEW YORK',100,5001);
INSERT INTO CUSTOMER VALUES(3007,'BRAD DAVIS','NEW YORK',200,5001);
INSERT INTO CUSTOMER VALUES(3005,'GRAHAM ZUSI','CALIFORNIA',200,5002);
INSERT INTO CUSTOMER VALUES(3008,'JULIAN GREEN', 'LONDON',300,5002);
INSERT INTO CUSTOMER VALUES(3004,'FABIAN JOHNSON','PARIS',300,5006);
INSERT INTO CUSTOMER VALUES(3009,'GEOFF CAMERON','BERLIN',100,5003);
INSERT INTO CUSTOMER VALUES(3003,'JOZY ALTIDOR','MOSCOW',200,5007); INSERT
INTO CUSTOMER VALUES(3001,'BRAD GUZAN','LONDON',400,5005);
```

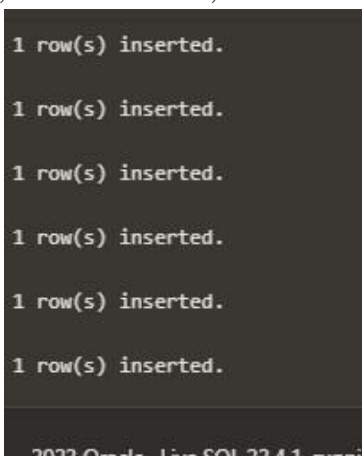




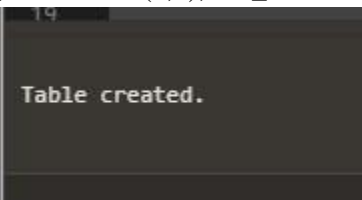
CREATE TABLE SALESMAN (SALESMAN\_ID NUMBER, SALESMAN\_NAME VARCHAR(20), CITY VARCHAR(20), COMMISSION NUMBER);



INSERT INTO SALESMAN VALUES(5001,'JAMES HOOGE','NEW YORK',0.15);  
 INSERT INTO SALESMAN VALUES(5002,'NAIL KNITE','PARIS',0.13);  
 INSERT INTO SALESMAN VALUES(5005,'PIT ALEX','LONDON',0.11);  
 INSERT INTO SALESMAN VALUES(5006,'MC LYON','PARIS',0.14);  
 INSERT INTO SALESMAN VALUES(5007,'PAUL ADAM','ROME',0.13);  
 INSERT INTO SALESMAN VALUES(5003,'LAUSON HEN ','SAN JOSE',0.12);



Create Table orders(order\_no number, purch\_amt number(6,2), ord\_date date, customer\_id number, salesman\_id number);



insert into orders values(70001, 150.5, to\_date('18-05-2012', 'DD-MM-YYYY'),3005, 5002);  
 insert into orders values(70009, 270.65, to\_date('09-10-2012', 'DD-MM-YYYY'),3001, 5005);  
 insert into orders values(70002, 65.26, to\_date('10-05-2012', 'DD-MM-YYYY'),3002, 5001);  
 insert into orders values(70004, 110.5,to\_date( '18-08-2012', 'DD-MM-YYYY'),3009, 5003);  
 insert into orders values(70007, 948.5, to\_date('09-10-2012', 'DD-MM-YYYY'),3005, 5002);  
 insert into orders values(70005, 2400.6,to\_date( '27-07-2012', 'DD-MM-YYYY'),3007, 5001);  
 insert into orders values(70008, 5760,to\_date( '09-10-2012', 'DD-MM-YYYY'),3002, 5001); insert  
 into orders values(70010, 1983.43,to\_date( '10-10-2012','DD-MM-YYYY'), 3004, 5006); insert  
 into orders values(70003, 2480.4, to\_date('10-10-2012', 'DD-MM-YYYY'),3009, 5003); insert  
 into orders values(70012, 250.45, to\_date('27-06-2012', 'DD-MM-YYYY'),3008, 5002); insert

into orders values(70011, 75.29, to\_date('17-08-2012', 'DD-MM-YYYY'),3003, 5007); insert into orders values(70013, 3045.6,to\_date( '25-04-2012', 'DD-MM-YYYY'),3002, 5001);

```
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
1 row(s) inserted.
```

SELECT a.customer\_name,a.city,a.grade, b.salesman\_name AS "Salesman", c.order\_no, c.ord\_date, c.purch\_amt FROM customer a RIGHT OUTER JOIN salesman b ON b.salesman\_id=a.salesman\_id LEFT OUTER JOIN orders c ON c.customer\_id=a.customer\_id WHERE c.purch\_amt>=2000 AND a.grade IS NOT NULL;

CUSTOMER_NAME	CITY	GRADE	Salesman	ORDER_NO	ORD_DATE	PURCH_AMT
NICK RIMANDO	NEW YORK	100	JAMES HOOG	70008	09-OCT-12	5760
NICK RIMANDO	NEW YORK	100	JAMES HOOG	70013	25-APR-12	3045.6
BRAD DAVIS	NEW YORK	200	JAMES HOOG	70005	27-JUL-12	2400.6
GEOFF CAMERON	BERLIN	100	LAUSON HEN	70003	10-OCT-12	2480.4

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4 rows selected.

**Q11. Write a query to create a view for those salesmen belongs to the city New York. Sample**

**table: salesman**

```
salesman_id | name | city | commission ---
-----+-----+-----+-----
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

**SOLUTION:**

CREATE TABLE SALESMAN(SALESMAN\_ID NUMBER, NAME VARCHAR(20), CITY VARCHAR(20), COMMISSION NUMBER);

INSERT INTO SALESMAN VALUES(5001, 'JAMES HOOG', 'NEW YORK', 0.15);  
 INSERT INTO SALESMAN VALUES(5002, 'NAIL KNITE', 'PARIS', 0.13);  
 INSERT INTO SALESMAN VALUES(5005, 'PIT ALEX', 'LONDON', 0.11);  
 INSERT INTO SALESMAN VALUES(5006, 'MC LYON', 'PARIS', 0.14);  
 INSERT INTO SALESMAN VALUES(5007, 'PAUL ADAM', 'ROME', 0.13);  
 INSERT INTO SALESMAN VALUES(5003, 'LAUSON HEN', 'SAN JOSE', 0.12);

CREATE VIEW PARIS\_SALESMAN AS SELECT \* FROM SALESMAN WHERE CITY='PARIS'; SELECT \* FROM PARIS\_SALESMAN;

View created.

SALESMAN_ID	NAME	CITY	COMMISSION
5002	NAIL KNITE	PARIS	.13
5006	MC LYON	PARIS	.14

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**Question12.** Write a query to create a view for all salesmen with columns salesman\_id, name, and city.

**Sample table: salesman**

salesman\_id | name | city | commission ---  
 -----+-----+-----+-----  
 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

**SOLUTION:**

```
CREATE TABLE SALESMAN(SALESMAN_ID NUMBER, NAME VARCHAR(20), CITY VARCHAR(20),
COMMISSION NUMBER);
```

```
INSERT INTO SALESMAN VALUES(5001, 'JAMES HOOG', 'NEW YORK', 0.15);
INSERT INTO SALESMAN VALUES(5002, 'NAIL KNITE', 'PARIS', 0.13);
INSERT INTO SALESMAN VALUES(5005, 'PIT ALEX', 'LONDON', 0.11);
INSERT INTO SALESMAN VALUES(5006, 'MC LYON', 'PARIS', 0.14);
INSERT INTO SALESMAN VALUES(5007, 'PAUL ADAM', 'ROME', 0.13);
INSERT INTO SALESMAN VALUES(5003, 'LAUSON HEN', 'SAN JOSE', 0.12);
```

```
CREATE VIEW DETAILS_SALESMAN AS SELECT SALESMAN_ID, NAME, CITY FROM SALESMAN;
SELECT * FROM DETAILS_SALESMAN;
```

View created.

SALESMAN_ID	NAME	CITY
5001	JAMES HOOG	NEW YORK
5002	NAIL KNITE	PARIS
5005	PIT ALEX	LONDON
5006	MC LYON	PARIS
5007	PAUL ADAM	ROME
5003	LAUSON HEN	SAN JOSE

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**Question13.** Write a query to find the salesmen of the city New York who achieved the commission more than 13%.

**Sample table: salesman**

```

salesman_id | name | city | commission ---
-----+-----+-----+-----
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

```

**SOLUTION:**

```
CREATE TABLE SALESMAN(SALESMAN_ID NUMBER, NAME VARCHAR(20), CITY VARCHAR(20),
COMMISSION NUMBER);
```

```

INSERT INTO SALESMAN VALUES(5001, 'JAMES HOOG', 'NEW YORK', 0.15);
INSERT INTO SALESMAN VALUES(5002, 'NAIL KNITE', 'PARIS', 0.13);
INSERT INTO SALESMAN VALUES(5005, 'PIT ALEX', 'LONDON', 0.11);
INSERT INTO SALESMAN VALUES(5006, 'MC LYON', 'PARIS', 0.14);
INSERT INTO SALESMAN VALUES(5007, 'PAUL ADAM', 'ROME', 0.13);
INSERT INTO SALESMAN VALUES(5003, 'LAUSON HEN', 'SAN JOSE', 0.12);

```

```

CREATE VIEW NEWYORK_SALESMAN AS SELECT * FROM SALESMAN WHERE CITY='NEW
YORK' AND COMMISSION>.13;
SELECT * FROM NEWYORK_SALESMAN;

```

View created.

SALESMAN_ID	NAME	CITY	COMMISSION
5001	JAMES HOOG	NEW YORK	.15

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