Activity 1:

CREATE TABLE salesman (

salesman\_id int,

salesman\_name varchar2(32),

salesman\_city varchar2(32),

commission int

);

Activity 2

CREATE TABLE salesman (

salesman\_id int,

salesman\_name varchar2(32),

salesman\_city varchar2(32),

commission int

);

Activity 3

SELECT salesman\_id, salesman\_city FROM salesman;

SELECT \* FROM salesman WHERE salesman\_city='Paris';

SELECT salesman\_id, commission FROM salesman WHERE salesman\_name='Paul Adam';

Activity 4

SELECT salesman\_id, salesman\_city FROM salesman;

SELECT \* FROM salesman WHERE salesman\_city='Paris';

SELECT salesman\_id, commission FROM salesman WHERE salesman\_name='Paul Adam';

Activity 5

SELECT salesman\_id, salesman\_city FROM salesman;

SELECT \* FROM salesman WHERE salesman\_city='Paris';

SELECT salesman\_id, commission FROM salesman WHERE salesman\_name='Paul Adam';

Activity 6

select distinct salesman\_id from orders;

select order\_no, order\_date from orders order by order\_date;

select order\_no, purchase\_amount from orders order by purchase\_amount DESC;

select \* from orders where purchase\_amount < 500;

select \* from orders where purchase\_amount between 1000 and 2000;

Activity 7

-- Write an SQL statement to find the total purchase amount of all orders.

select SUM(purchase\_amount) AS "Total sum" from orders;

-- Write an SQL statement to find the average purchase amount of all orders.

select AVG(purchase\_amount) AS "Average" from orders;

-- Write an SQL statement to get the maximum purchase amount of all the orders.

select MAX(purchase\_amount) AS "Maximum" from orders;

-- Write an SQL statement to get the minimum purchase amount of all the orders.

select MIN(purchase\_amount) AS "Minumum" from orders;

-- Write an SQL statement to find the number of salesmen listed in the table.

select COUNT(distinct salesman\_id) AS "Total count" from orders;

Activity 8

SELECT customer\_id, MAX(purchase\_amount) AS "Max Amount" FROM orders GROUP BY customer\_id;

SELECT salesman\_id, order\_date, MAX(purchase\_amount) AS "Max Amount" FROM orders

WHERE order\_date=To\_DATE('2012/08/17', 'YYYY/MM/DD') GROUP BY salesman\_id, order\_date;

SELECT customer\_id, order\_date, MAX(purchase\_amount) AS "Max Amount" FROM orders

GROUP BY customer\_id, order\_date

HAVING MAX(purchase\_amount) IN(2030, 3450, 5760, 6000);

Activity 9

SELECT a.customer\_name AS "Customer Name", a.city, b.name AS "Salesman", b.commission FROM customers a

INNER JOIN salesman b ON a.salesman\_id=b.salesman\_id

WHERE b.commission>12;

SELECT a.order\_no, a.order\_date, a.purchase\_amount, b.customer\_name AS "Customer Name", b.grade, c.name AS "Salesman", c.commission FROM orders a

INNER JOIN customers b ON a.customer\_id=b.customer\_id

INNER JOIN salesman c ON a.salesman\_id=c.salesman\_id;

Activity 10:

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SELECT \* FROM orders

WHERE salesman\_id=(SELECT DISTINCT salesman\_id FROM orders WHERE customer\_id=3007);

SELECT \* FROM orders

WHERE salesman\_id IN (SELECT salesman\_id FROM salesman WHERE city='New York');

SELECT grade, COUNT(\*) FROM customers

GROUP BY grade HAVING grade>(SELECT AVG(grade) FROM customers WHERE city='New York');

SELECT order\_no, purchase\_amount, order\_date, salesman\_id FROM orders

WHERE salesman\_id IN( SELECT salesman\_id FROM salesman

WHERE commission=( SELECT MAX(commission) FROM salesman));

Activity 11:

SELECT customer\_id, customer\_name FROM customers a

WHERE 1<(SELECT COUNT(\*) FROM orders b WHERE a.customer\_id = b.customer\_id)

UNION

SELECT salesman\_id, name FROM salesman a

WHERE 1<(SELECT COUNT(\*) FROM orders b WHERE a.salesman\_id = b.salesman\_id)

ORDER BY customer\_name;

SELECT a.salesman\_id, name, order\_no, 'highest on', order\_date FROM salesman a, orders b

WHERE a.salesman\_id=b.salesman\_id

AND b.purchase\_amount=(SELECT MAX(purchase\_amount) FROM orders c WHERE c.order\_date = b.order\_date)

UNION

SELECT a.salesman\_id, name, order\_no, 'lowest on', order\_date FROM salesman a, orders b

WHERE a.salesman\_id=b.salesman\_id

AND b.purchase\_amount=(SELECT MIN(purchase\_amount) FROM orders c WHERE c.order\_date = b.order\_date);