Activity-9

CREATE TABLE customers (

customer\_id int primary key, customer\_name varchar(32),

city varchar(20), grade int, salesman\_id int);

INSERT ALL

INTO customers VALUES (3002, 'Nick Rimando', 'New York', 100, 5001)

INTO customers VALUES (3007, 'Brad Davis', 'New York', 200, 5001)

INTO customers VALUES (3005, 'Graham Zusi', 'California', 200, 5002)

INTO customers VALUES (3008, 'Julian Green', 'London', 300, 5002)

INTO customers VALUES (3004, 'Fabian Johnson', 'Paris', 300, 5006)

INTO customers VALUES (3009, 'Geoff Cameron', 'Berlin', 100, 5003)

INTO customers VALUES (3003, 'Jozy Altidor', 'Moscow', 200, 5007)

INTO customers VALUES (3001, 'Brad Guzan', 'London', 300, 5005)

SELECT 1 FROM DUAL;

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

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

SELECT a.customer\_name, a.city, a.grade, b.salesman\_name AS "Salesman", b.salesman\_city FROM customers a

LEFT OUTER JOIN salesman b ON a.salesman\_id=b.salesman\_id WHERE a.grade<300

ORDER BY a.customer\_id;

SELECT a.customer\_name AS "Customer Name", a.city, b.salesman\_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.salesman\_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

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 salesman\_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, salesman\_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, a.salesman\_name, o.order\_no, 'highest on', o.order\_date, o.purchase\_amount FROM salesman a, orders o

WHERE a.salesman\_id=o.salesman\_id

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

UNION

SELECT a.salesman\_id, a.salesman\_name, o.order\_no, 'lowest on', o.order\_date, o.purchase\_amount FROM salesman a, orders o

WHERE a.salesman\_id=o.salesman\_id

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

ORDER BY order\_date;