

**Activity 1:**

```
create table salesman(salesman_id int,salesman_name varchar(20),salesman_city  
varchar(20),commission int);
```

**Activity 2:**

```
insert into salesman values(5001,'James Hoog','New York',15);
```

```
insert into salesman values(5002,'Nail Knite','Paris',13);
```

```
insert into salesman values(5005,'Pit Alex','London',11);
```

```
insert into salesman values(5006,'McLyon','Paris',14);
```

```
insert into salesman values(5007,'Paul Adam','Rome',13);
```

```
insert into salesman values(5003,'Lauson Hen','San Jose',12);
```

**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:**

```
/*alter table salesman
```

```
add grade int;*/
```

```
/*update salesman
```

```
set grade=100;*/
```

```
select * from salesman;
```

### Activity 5:

update SALESMAN

set grade=200 where salesman\_city='Rome';

update SALESMAN

set grade=300 where salesman\_name='James Hoog';

update SALESMAN

set salesman\_name='Pierre' where salesman\_name='Mclyon';

select \* from salesman;

### Activity 6:

create table orders(

order\_no int primary key, purchase\_amount float, order\_date date,

customer\_id int, salesman\_id int);\*/

INSERT ALL

INTO orders VALUES(70001, 150.5, TO\_DATE('2012/10/05', 'YYYY/MM/DD'), 3005, 5002)

INTO orders VALUES(70009, 270.65, TO\_DATE('2012/09/10', 'YYYY/MM/DD'), 3001, 5005)

INTO orders VALUES(70002, 65.26, TO\_DATE('2012/10/05', 'YYYY/MM/DD'), 3002, 5001)

INTO orders VALUES(70004, 110.5, TO\_DATE('2012/08/17', 'YYYY/MM/DD'), 3009, 5003)

INTO orders VALUES(70007, 948.5, TO\_DATE('2012/09/10', 'YYYY/MM/DD'), 3005, 5002)

INTO orders VALUES(70005, 2400.6, TO\_DATE('2012/07/27', 'YYYY/MM/DD'), 3007, 5001)

INTO orders VALUES(70008, 5760, TO\_DATE('2012/08/15', 'YYYY/MM/DD'), 3002, 5001)

```
INTO orders VALUES(70010, 1983.43, TO_DATE('2012/10/10', 'YYYY/MM/DD'), 3004, 5006)
```

```
INTO orders VALUES(70003, 2480.4, TO_DATE('2012/10/10', 'YYYY/MM/DD'), 3009, 5003)
```

```
INTO orders VALUES(70012, 250.45, TO_DATE('2012/06/27', 'YYYY/MM/DD'), 3008, 5002)
```

```
INTO orders VALUES(70011, 75.29, TO_DATE('2012/08/17', 'YYYY/MM/DD'), 3003, 5007)
```

```
INTO orders VALUES(70013, 3045.6, TO_DATE('2012/04/25', 'YYYY/MM/DD'), 3002, 5001)
```

```
SELECT 1 FROM DUAL;*/
```

```
--select * from orders;
```

```
select distinct(salesman_id) from orders;
```

```
SELECT order_no from orders order by order_date;
```

```
select order_no from orders order by purchase_amount desc;
```

```
select * from orders where PURCHASE_AMOUNT<500;
```

```
select * from orders where PURCHASE_AMOUNT between 1000 and 2000;
```

```
select * from orders;
```

### **Activity 7:**

```
select sum(purchase_amount) as "total_purchase" from orders;
```

```
select avg(purchase_amount) as "avg_purchase" from orders;
```

```
select min(purchase_amount) as "min_purchase" from orders;
```

```
select max(purchase_amount) as "max_purchase" from orders;
```

```
select count(distinct(SALESMAN_ID)) as "total_count" from orders;
```

### **Activity 8:**

```
select customer_id,max(purchase_amount) as "Highest_amount"  
from orders  
group by customer_id;
```

```
select salesman_id,max(purchase_amount)  
from orders  
where order_date=TO_DATE('2012/08/17', 'YYYY/MM/DD')  
group by salesman_id;
```

```
select customer_id,max(purchase_amount),order_date  
from orders group by customer_id,order_date  
having max(PURCHASE_AMOUNT) in(2030,3450,5760,6000);
```

### **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 * from customers;
```

```
select c.customer_name,s.salesman_name
from customers c inner join salesman s
on c.salesman_id=s.salesman_id;
```

```
select c.customer_name
from customers c inner join salesman s
on c.SALESMAN_ID=s.SALESMAN_ID
where s.grade<300 order by c.customer_name;
```

```
select c.customer_name from customers c inner join salesman s
on c.salesman_id=s.salesman_id
where s.commission>12;
```

```
select o.order_no,o.order_date,o.purchase_amount,c.customer_name,
s.salesman_name,s.commission
from orders o inner join customers c
on c.customer_id=o.customer_id
inner join salesman s on s.salesman_id=c.salesman_id;
```

```
select commission from salesman;
```

**Activity 10:**

```
select * from orders
where salesman_id
=(select SALESMAN_ID
from customers where customer_id=3007);
```

```
select * from orders where
salesman_id=(select salesman_id
from salesman where salesman_city='New York');
```

```
select count(*) from customers where grade>
(select avg(grade)
from customers where city='New York');
```

```
select * from ORDERS
where salesman_id =(select salesman_id from salesman
where commission
=(select max(commission) from salesman));
```

```
select * from salesman;
select * from orders;
```