

-----Creating product table-----

```
create table product(  
id int(5),  
name varchar(100),  
email varchar(100));
```

```
select * from product;
```

```
insert into product(id,name,email)  
values  
(1,"rohan","rohan@1"),  
(2,"shubham","shubham@1"),  
(4,"sham","sham@1"),  
(5,"mohan","mohan@1");
```

```
update product set id=4,name="ram",email="ram@1" where id=4;
```

```
select * from product;  
select * from product where id>2;
```

```
update product set id=5,name="shiva",email="rohan" where id=1;
```

```
select * from product where name="" or 1=1;-----SQL  
INJECTION
```

```
delete from product where id=5;  
insert into product(id,name) values (3,"rohn");  
select * from product;
```

----- Creating Views-----

```
create view v1 as  
select name,email  
from product  
where id>1;
```

```
select * from v1;
```

-----Using Top/Limit function-----

```
select * from product
```

limit 2;

select max(id) from product; //-----max function

select avg(id) from product; //-----avg function

select name,email
from product
where name like 'r%';

-----Creating testing table-----

create table testing(
id int,
name varchar(100),
phone bigint(10));

insert into testing(id,name,phone)
values
(2,"mohan",8800373641),
(3,"sohan",8900373641),
(5,"dohan",9800373641),
(7,"mina",8888373641);

select max(salay) from employee;

select* from testing;

select product.name, testing.name, product.email,testing.phone
from product
left JOIN testing on product.id=testing.id
where product.name like "[m,r]%" ;

select * from testing
where phone=(select max(phone) from testing); //-----selecting all
rows where phone number is max-----//

-----Creating table OrderData-----

create table OrderData(

```
OrderID int,  
CustomerID int,  
OrderDate varchar(100));
```

```
insert into OrderData(OrderID,CustomerID,OrderDate)  
values  
(10308, 2, "1996-09-18"),  
(10309, 37, "1996-09-19"),  
(10310, 77, "1996-09-20");
```

-----Creating table Customer-----

```
create table Customer(  
CustomerID int,  
CustomerName varchar(100),  
Country varchar(100));
```

```
insert into Customer(CustomerID,CustomerName,Country)  
values  
(1,"Shivang","India"),  
(2,"Sam","USA"),  
(3,"Tom","Berlin");
```

-----Group By-----

```
SELECT COUNT(CustomerID), Country  
FROM Customer  
GROUP BY Country  
ORDER BY COUNT(CustomerID) DESC;
```

-----Inner Join between table Customer and
OrderData-----

```
select OrderData.OrderID, OrderData.OrderDate,  
Customer.CustomerName, Customer.Country  
from OrderData  
INNER JOIN  
Customer on OrderData.CustomerID=Customer.CustomerID;
```

-----Left Join between table Customer and
OrderData-----

```
select OrderData.OrderID, OrderData.OrderDate,  
Customer.CustomerName, Customer.Country  
from OrderData  
Left JOIN  
Customer on OrderData.CustomerID=Customer.CustomerID;
```

-----Right Join between table Customer and
OrderData-----

```
select OrderData.OrderID, OrderData.OrderDate,  
Customer.CustomerName, Customer.Country  
from OrderData  
right JOIN  
Customer on OrderData.CustomerID=Customer.CustomerID;
```

-----selecting customer name who has max customer
id-----

```
select CustomerName from Customer  
where CustomerID=(select max(CustomerID) from Customer);
```

-----AUTO INCREMENT-----

```
CREATE TABLE Persons (  
Personid int NOT NULL AUTO_INCREMENT,  
LastName varchar(255) NOT NULL,  
FirstName varchar(255),  
Age int,  
PRIMARY KEY (Personid)
```

);

insert into product(id,name,email) values (98,"shs","sssd");

create view v as

select *from product where id>10;

create view v1 as

select name,email

from product where id>4;

create or replace view v1 as

select * from product

where id>4;

select * from v1;