

-----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;
```