```
CREATE DATABASE customer
CREATE TABLE Customer
(
   FirstName VARCHAR(60),
   LastName VARCHAR(60),
   Age int
)
insert into customer
(FirstName, LastName, [Age])
values ('Imran', 'Khan', 32)
insert into customer
(FirstName, LastName, [Age])
values ('Muhammad', 'Faisal', 32)
insert into customer
(FirstName, LastName, [Age])
values ('Imran1', 'Khan', 32)
insert into customer
(FirstName, LastName, [Age])
values ('Imran2', 'Khan', 32)
insert into customer
(FirstName, LastName, [Age])
values ('Imran3', 'Khan', 32)
insert into customer
(FirstName, LastName, [Age])
values ('Muhammad', 'Khan', 32)

select Firstname, Lastname, Age from Customer

select Firstname, Lastname, Age
from Customer
where Firstname='Imran'

select Firstname, Lastname, Age
from Customer
where Firstname like 'Imran%'
and LastName = 'Khan'

select Firstname, Lastname, Age
from Customer
```

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where Firstname like 'Imran_'
and LastName = 'Khan'


Delete customer


update customer
set Age=20
where FirstName='Imran'
and LastName='Khan'

-- this is a comment
/* this
is a comment*/

alter table Customer add city varchar(50);

drop table customer

CREATE table customer
(
   Id int PRIMARY KEY IDENTITY(1,1),
   FirstName VARCHAR(50),
   LastName VARCHAR(50),
   Age int,
   City VARCHAR(50)
)

insert into customer
(FirstName, LastName, [Age], City)
values ('Imran', 'Khan', 32, 'New York')
insert into customer
(FirstName, LastName, [Age], City)
values ('Muhammad', 'Faisal', 32, 'San Fransisco')

insert into customer
(FirstName, LastName, [Age], City)
values ('Muhammad', 'Khan', 32, 'Washington')

create table Products
```

```
(
   id int PRIMARY key IDENTITY(1,1),
   ProductName VARCHAR(50)
)

alter table Products
add Price float;

select * from Products

insert into Products (ProductName, Price) values ('keyboard', 50.0)




CREATE table Orders
(
   OrderId int PRIMARY key IDENTITY(1,1),
   OrderDate DATETIME,
   CustomerID int,
   ProductID int,

)

SELECT * from Orders
SELECT * from Products
SELECT * from customer

insert into Orders(OrderDate,CustomerID,ProductID) values (GETDATE(),1,2)

insert into Orders(OrderDate,CustomerID,ProductID) values (GETDATE(),4,3)

alter table orders
add FOREIGN key(CustomerID) REFERENCES customer(Id)

alter table orders
add FOREIGN key(ProductID) REFERENCES Products(Id)


SELECT * from Orders  o inner join Products  p on o.ProductID = p.id
SELECT  o.* ,p.*, c.*
```

```
from Orders  o
inner join Products  p on o.ProductID = p.id
inner join customer c on o.CustomerID = c.ID


SELECT  sum(Price)
from Orders  o
inner join Products  p on o.ProductID = p.id
inner join customer c on o.CustomerID = c.ID


SELECT  c.FirstName, sum(Price) Total
from Orders  o
inner join Products  p on o.ProductID = p.id
inner join customer c on o.CustomerID = c.ID
GROUP by c.firstname

SELECT  c.FirstName, p.ProductName, sum(p.Price) Total
from Orders  o
inner join Products  p on o.ProductID = p.id
inner join customer c on o.CustomerID = c.ID
GROUP by c.firstname, p.ProductName

SELECT  c.City,  sum(p.Price) total, AVG(p.price) avg
from Orders  o
inner join Products  p on o.ProductID = p.id
inner join customer c on o.CustomerID = c.ID
GROUP by c.city
```