SQL ASSIGNMENT

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use mtxmysql;

create table Products (

ProductID int,

ProductName varchar(255),

descriptionProd varchar(255),

cost int

);

insert into Products values (31,'Mobile','good mobile',30000);

insert into Products values (32,'AC','good AC',97000);

insert into Products values (33,'Washing Machine','good Washing Machine',2000);

insert into Products values (34,'TV','good tv',98620);

insert into Products values (35,'Laptop','good Laptop',6200);

select \* from Products;

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create table Customer (

CustomerId int,

customername varchar(255),

postalcode int,

address varchar(255),

city varchar(255),

country varchar(255)

);

insert into Customer values (10,'PRAKASH',845411, 'MOTIHARI T','PATNA','India');

insert into Customer values (11,'PRINCE',845412, 'MOTIHARI TT' ,'NEW WORK','US');

insert into Customer values (12,'SUMIT',845413, 'MOTIHARI TTT','NEW WORK','USA');

insert into Customer values (13,'RAJA',845414, 'MOTIHARI TTTT','DELHI','India');

insert into Customer values (14,'PRITAM',845415, 'MOTIHARI TTTTT','KANPUR','INDIA');

insert into Customer values (15,'AASHISH',845416, 'MOTIHARI TTTTTT','ROME','ITLY');

select \* from Customer;

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create table Purchase (

ProductID int,

CustomerId int

);

insert into Purchase values (30,10);

insert into Purchase values (31,11);

insert into Purchase values (32,12);

insert into Purchase values (33,13);

insert into Purchase values (34,14);

insert into Purchase values (35,15);

select \* from Purchase;

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select distinct(city) as CITY from Customer;

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select count(distinct(city)) as Total\_CITY from Customer;

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select \* from Products where cost >= 1500;

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select CustomerId, CustomerName, City from Customer where CustomerId in (select CustomerId from Purchase);

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select pd.\*,c.customername,c.CustomerID,p.ProductID from

Customer c,

Purchase p,

Products pd

where

c.CustomerId = p.CustomerId AND

p.ProductID = pd.ProductID;

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select customername,country from Customer where country="India";

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select customername from Customer order by customername ASC;

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select customername,country from Customer order by customername ASC, country DESC ;

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insert into customer values (106,null,null,null,123456,null);

select \* from customer;

update customer set postalcode = null where customerid = 106;

select \* from customer where postalcode is null;

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select \* from customer where postalcode is not null;

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update Products set productname = 'Vivo Mobile' where productname = 'Mobile';

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update Products set descriptionProd = 'Vivo is chinese mobile' where productId = 104 and productname = 'Vivo Mobile';

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delete from customer where customerid = 10;

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truncate table customer;

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select productid, productname, cost from Products where cost in (select max(cost) from Products);

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select productid, productname, cost from Products order by cost desc limit 1;

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select productid, productname, cost from Products order by cost asc limit 1;

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select sum(cost) from Products;

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ALTER TABLE customer rename COLUMN PostalCode TO Pincode;

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ALTER TABLE Customer

ADD Rating varchar(255);

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delete from customer where customerid = 45;

select \* from customer;

Rollback;

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select count(productid) ,customerid from purchase group by customerid;

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select count(productid) ,customerid from purchase group by customerid;

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select c.CustomerId,c.CustomerName, p.ProductName, p.cost from customer c, Products p, purchase ph where c.customerid = ph.customerid;

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create table Employee (

emp\_id int,

Employeename varchar(255),

address varchar(255),

city varchar(255),

state varchar(255),

country varchar(255)

);

insert into employee values (1,'Prakash','Motihari','Patna','Bihar','India');

insert into employee values (2,'Prince','Areraj','Motihari','Bihar','India');

insert into employee values (3,'Sumit','Motihari','Patna','Bihar','India');

select \* from Employee;

create table Department ( emp\_id int,

Dept\_id int,

Dept\_name varchar(255)

);

insert into Department values (1,101,'CSC');

insert into Department values (2,102,'IT');

insert into Department values (3,103,'ECE');

select \* from Department;

select Employee.employeename, Department.Dept\_name from Employee inner join Department on employee.emp\_id = Department.emp\_id;

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