create database Code\_Based\_Test\_5

use Code\_Based\_Test\_5

create table Books (

Id int primary key, Title varchar(25), Author varchar(20), ISBN varchar(15) unique, Published\_Date datetime)

insert into Books values

(1, 'My First SQL', 'Mary Porker', '981483029127', '2012-02-22 12:08:00'),

(2, 'My Second SQL book', 'John Mayer', '857300923713', '1972-07-03 09:22:00'),

(3, 'My Third SQL book', 'Cary Flint', '523120967812', '2015-10-18 00:00:00')

select \* from Books

**Question : Write a query to fetch the details of the books written by author whose name ends with er.**

select \*

from Books

where Author like '%er'

**OUTPUT**



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create table Reviews (

Id int foreign key references Books (Id), Book\_Id int, Reviewer\_name varchar (20), Content varchar(30), Rating int, Published\_Date datetime)

insert into Reviews values

(1, 1, 'John Smith', 'My first review', 4, '2017-12-10 05:50:11'),

(2, 2, 'John Smith', 'My second review', 5, '2017-10-13 15:05:12'),

(3, 2, 'Alice Walker', 'Another review', 1, '2017-10-22 23:47:10')

select \* from Reviews

**Question : Display the Title ,Author and ReviewerName for all the books from the above table**

select B.Title, B.Author, R.Reviewer\_name

from Books as B

join Reviews as R on B.Id = R.Book\_Id;

**OUTPUT**



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**Question : Display the reviewer name who reviewed more than one book.**

select Reviewer\_name

from Reviews

group by Reviewer\_name

having count (distinct Book\_Id) > 1

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create table Customers (

Id int, C\_Name varchar(15), Age int, C\_Address varchar (20), Salary decimal(10,2))

insert into Customers values

(1, 'Ramesh', 32, 'Ahmedabad', 2000.00),

(2, 'Khilan', 25, 'Delhi', 1500.00),

(3, 'Kaushik', 23, 'Kota', 2000.00),

(4, 'Chaitali', 25, 'Mumbai', 6500.00),

(5, 'Hardik', 27, 'Bhopal', 8500.00),

(6, 'Komal', 22, 'MP' , 4500.00),

(7, 'Muffy', 24, 'Indore', 10000.00)

select \* from Customers

**Question : Display the Name for the customer from above customer table who live in same address which has character o anywhere in address**

select C\_Name

from Customers

where C\_Address like '%o%'

**OUTPUT**



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create table Orders (

OId int,O\_Date datetime, Customer\_Id int foreign key references Customers (Id), Amount decimal(7,2))

insert into Orders values

(102, '2009-10-08 00:00:00', 3, 3000.00),

(100, '2009-10-08 00:00:00', 3, 1500.00),

(101, '2009-11-20 00:00:00', 2, 1560.00),

(103, '2008-05-20 00:00:00', 4, 2060.00)

select \* from Orders

Questions : Write a query to display the Date,Total no of customer placed order on same Date

select O\_Date as date, COUNT( Customer\_Id) as "Total Customers"

from Orders

group by O\_Date

having count(Customer\_Id) > 1

**OUTPUT**



**------------------------------------------------------------------------------**

create table Employee (

Id int, E\_Name varchar(20), Age int, E\_Address varchar(25), Salary decimal(7,2))

insert into Employee values

(1, 'Ramesh', 32, 'Ahmedabad', 2000.00),

(2, 'Khilan', 25, 'Delhi', 1500.00),

(3, 'Kaushik', 23, 'Kota', 2000.00),

(4, 'Chaitali', 25, 'Mumbai', 6500.00),

(5, 'Hardik', 27, 'Bhopal', 8500.00),

(6, 'Komal', 22, 'MP' ,null ),

(7, 'Muffy', 24, 'Indore',null)

select \* from Employee

**Question : Display the Names of the Employee in lower case, whose salary is null**

select lower(E\_Name) as Lowercase\_Name

from Employee

where Salary is null

**OUTPUT**



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create table StudentDetails (

Id int, RegisterNo int, S\_Name varchar (20), Age int , Qualification varchar(10),MobileNo varchar (10), Mail\_id varchar (20), Location varchar (15), gender varchar(1))

select \* from StudentDetails

insert into StudentDetails values

(1, 2,'Sai', 22, 'B.E','995283677','sai@gmail.com','chennai','M'),

(2,3, 'Kumar', 20,'BSC','70015648','kumar@gmail.com','Madurai','M'),

(3,4, 'Selvi', 22,'B.Tech','04567342','selvi@gmail.com','Selam','F'),

(4, 5,'Nisha', 25,'M.E', '734672310', 'Nisha@gmail.com','Theni','F'),

(5,6,'SaiSaran',21,'B.A','790345678','saran@gmail.com','Madurai','F'),

(6,7,'Tom',23,'BCA','890145675','Tom@gmail.com','Pune','M')

**Question : Write a sql server query to display the Gender,Total no of male and female from the above relation.**

select Gender , count(\*) as totalcount

from Studentdetails

group by gender

**OUTPUT**

