create database SQL\_Code\_Based\_test\_05

use SQL\_Code\_Based\_test\_05

create table Books(

id int primary key,

title varchar(20),

author varchar(20),

isbn varchar(20) unique,

published\_date datetime)

insert into Books values

(1, 'My first SQL' , ' Mary Parker ',' 981483029127 ' , '2012-02-22 12:08:17 '),

(2, 'My Second SQL Book' , ' John Mayer ',' 8570092713 ' ,'1972-07-03 09:22:45'),

(3, ' My Third SQL book' , 'Cary Flint ' ,' 523120967812' ,'2015-10-18 14:05:44 ')

create table Reviews(

id int primary key,

book\_id int,

reviewer\_name varchar(20),

content varchar(20),

rating int,

published\_date datetime)

insert into Reviews values

(1 , 1 ,'John Smith' ,'My first revtew' ,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 23:47:40')

select \* from Books

create table Residence(

Id int primary key,

Rname varchar(20),

Age int,

Raddress varchar(20),

Salary int)

insert into Residence 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)

create table Orders(

Oid int primary key,

Odate date,

Customer\_id int,

Amount int)

insert into Orders values

(102 , ' 2009-10-08' , 3 ,3000 ),

(100 , ' 2009-10-08' , 3 ,1500 ),

(101 , ' 2009-11-20' , 2 ,1500 ),(103 , ' 2008-05-20' , 4 ,2060 )

create table Employee(

Id int primary key,

Rname varchar(20),

Age int,

Raddress varchar(20),

Salary int)

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 ', 4500.00),

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

create table students (

RegisterNo int,

Name varchar(25),

Age int,

Qualification varchar(25),

MobileNo varchar(25),

Mail\_id varchar(25),

Location varchar(25),

Gender varchar(25)

)

insert into students (RegisterNo, Name, Age, Qualification, MobileNo, Mail\_id, Location,Gender)

values (2, 'Sai', 22, 'BE', '9952836777', 'Sai@gmai.com', 'Chennai','M'),

(3, 'Kumar', 20, 'BSC', '7890125648', 'Kumar@gmail.com', 'Madurai','M'),

(4, 'Selvi', 22, 'B. Tech', '8904567342', 'selvi@gnai.com', 'Salem','F'),

(5, 'Nisha', 25, 'M.E', '7834672310', 'nisha@gmail.com', 'Theni','F'),

(6, 'SaiSaran', 21, 'B.A', '7890345678', 'saran@gmai.com', 'Madurai','M'),

(7, 'Tom', 23, 'BCA', '8901234675', 'Tom@gmail.com', 'Pune','M')

--1. 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'



--2.Display the Title ,Author and ReviewerName for all the books from the above table

select \* from Reviews

select b.Title, b.author ,r.reviewer\_name

from books as b join reviews as r on b.id = r.book\_id



--3.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



--4.Display the Name for the customer from above customer table who live in same address which has character o anywhere in address

select Rname from Residence

where Raddress like '%o%'



--5.Write a query to display the Date,Total no of customer placed order on same Date

select ODate ,count(distinct Customer\_id) as ' Total no of customer placed order on same Date '

from Orders

group by Odate



--6.Display the Names of the Employee in lower case, whose salary is null

select lower(Rname) AS lowercase\_name

from Employee

where Salary is null



--7 . Write a sql server query to display the Gender,Total no of male and female from the above Relation .

select ISNULL(Gender,'Not Assigned') as Gender,

COUNT(\*) as 'Total no of Employees' from students

group by Gender

