1. Create these two tables with the following structure.

Table Name: Customer
Column Name:
Customer ID: Customer_ID :primary key: INT: use auto increment
Customer Name: Customer_Name : not null: varchar2(25)
Customer City: Customer_City : varchar2(20)
Zip Code : Zip varchar2(9).

Table name :Order
Column Names:
Order Number : Order_ID : primary key : INT
Customer ID : Customer_ID : not null : INT: Foreign Key

Insert the following data into the tables:

Customer

Customer_ID	Customer_Name	Customer_Address	Customer_City	Zip
1	John Doe	392 Sunset Blvd.	New York	10059
2	Mary Smith	6900 Main St.	San Francisco	94032
3	Richard Newman	2040 Riverside Rd.	San Diego	92010
4	Cathy Cook	4010 Speedway	New York	10059

Order

Order_ID	Order_Date	Customer_ID
103	03-OCT-09	2
104	10-OCT-09	1
105	10-OCT-09	4
106	10-OCT-09	2
107	10-OCT-09	1

a. List the dates along with the count of orders received each day.
b. Find the Order Ids and Order dates of customer John Doe.
c. Change the ZIP to 10090 for all customers in New York city.
d. Add a column Bill_Amount in Order table which can have a decimal value having two digits after decimal place and 8 digits before decimal point.

2. Create two tables with the following structure.

Table Name : VIDEO

Column Names:

videoNo: Primary Key: Varchar2(5)

title: not null: Varchar2(25)

category: null: Varchar2(15)

runtime: null: number(5)

charge: not null : number(3)

Table Name: COPY

Column Names:

copyNo: Primary Key : number(5)

purchaseDate: not null : date, default value of Sysdate

videoNo: not null : Varchar2(5): Foreign Key

Insert the following values into the tables:

VIDEO:

CT1D	Crimson Tide	Drama	113	45
B1D	Braveheart	Drama	107	40
US23A	Under Siege2	Action	93	50
TT1	Terminator1	Thriller	110	40
CC1	Clueless	Comedy	111	38

COPY:

1	01-May-2000	B1D
2	01-Jun-2001	B1D
3	02-May-2000	US23A
4	01-Jun-2000	CT1D
5	01-Mar-2005	TT1
6	15-Mar-2005	CC1
7	01-May-2005	TT1

a. Write a query to find the total number of copies for each Video in the VIDEO table.

b. Write a query to find the maximum, minimum and total charge of the videos for each category.

c. Display the video details, copies of which were purchased between 1st Jan 2005 and today's date.

3. Create a table **Associate** with the following columns:

Associate Id primary key number
Associate First Name 20 characters

Associate Last Name 20 characters
Designation ID number foreign key
Email ID string
Experience number

Create another table **Designation** with following columns:

Designation ID number primary key
Designation Name 25 characters

a. Write a sql script to print the associate details along with their designation names.
b. Write a query to find out all the associates whose email id ends with ".com"

4. Create following tables

A. Building

Building_Id Number Primary Key
Building_Name string
Location string
Building_Color string

B. Room

Room_No Number Primary Key
Floor_No Number
No_Of_Bed Number
Room_rent Number
Building_Id Number Foreign Key referring Building Table

Insert the following records into the tables.

Building

Building_Id	Building_Name	Location	Building_Color
1	LORDS	Lane1	White
2	EDEN	Lane 3	Blue
3	OMEGA	Lane 6	Gray
4	GDC	Lane 7	Brown

Room

Room_No	Floor_No	No_Of_Bed	Room_Rent	Building_Id
101	1	2	500	1
201	2	1	15000	2
301	3	2	1000	1
401	4	3	500	4

Write the SQL statements for the following queries.
a) Display building wise count of rooms.
b) Display the Room numbers along with Building Name and Location of the Room which is the

costliest room.
c) To find the count of two bedded rooms.

5. Create table **EMP** having the following structure.

EMPNO	number(4) primary key,
EMPNAME	varchar2(30),
MANAGER	number(4) (references an employee who is the manager of the employee)
SALARY	number(7,2),
DEPT_NO	number(3) foreign key,

Create table **DEPARTMENT** having the following structure

Dept_No	number(3) primary key
Dept_Name	varchar2(10)
Location	varchar2(10)

Insert the following records into the tables.

EMPLOYEE

EMPNO	EMPNAME	MANAGER	SALARY	DEPT_NO
1	Puja Bhatt	6	30000	2
2	Purabi	1	15000	3
3	Barun	6	23000	2
4	Sudha	1	20000	1
5	Amal	2	20000	1
6	Rakesh	3	30000	4

Department

Dept_No	Dept_Name	Location
1	Production	Lane AB
2	Marketing	Lane 5
3	Sales	Lane A
4	HR	Lane C2

Write the SQL queries for the following.
a) Display the employee name, salary, department name and department location of lowest paid employee.
b) Display the department name which contains maximum no. of employees.
c) Display the names of the employees who are managers.