Consider the following Entities and Relationships
Employee (empno, empname, salary, commission, designation)
Department (deptno, deptname,location)

Relationship between Employee and Department is many-to-one.

Constraints : Primary Key,
Salary should be > 0.

write queries in Oracle 10g for following.

- Display all details of employees who are working at 'Pune' location
- Display department name wise list of Employees
- Count the number of employees who are working in 'Computer' department
- Display maximum salary for every department.

- Display average salary for every designation
- Update commission for every employee by 5 % for all department
- List details of employee who belong to 'Computer' department and salary > 20000
- Display all employees details whose designation is manager and salary > 25000

Consider the following Entities and Relationships
Movie (mvno, mvname, releaseyear)
Actor (actno, actname)

Relationship between Movie and Actor is many-to-one.

Constraints: Primary Key,
releaseyear should be > 0.

write queries in Oracle 10g for following.

- Count all the movie names released in the year 2000.
- Display all actor details of movie 'Dhoom'
- Display actorwise movie names.
- Display all movies of 'Abhishek'

- Display all the movies released after year 2000.
- Count the number of movies in which 'Hrithik' has acted.
- Display all the movie names order by released year in ascending order
- Display movie names released between year 2000 to 2008.

Consider the following Entities and Relationships
Employee (empno, empname, city, deptname)
Project (pno, pname, status)

Employee and Project are related with many to many relationships with descriptive attribute no_of_days employee worked on that project

Constraints : Primary Key,
Project Status Constraints: C – completed, P-Progressive, I-Incomplete

write queries in Oracle 10g for following.

- List the names of employees working on projects having status "Incomplete"
- Display all project names and total number of employees who are working on that project.
- List the names of the employees who are working on project for more than 20 days.
- Display project wise Employee details

Consider the following Entities and Relationships
Doctor(dno, dname, city)
Hospital (hno, hname, hcity)

The relation between Doctor and Hospital is many-to-many.

Constraints : Primary Key,
City should not be null

write queries in Oracle 10g for following.

- Display all the details of hospitals located in 'Pune' city.
- Display hospital wise doctor's details.
- Count the number of doctors who are visiting to 'KEM' Hospital.
- Display the hospital names whose first character is 'S'.

- Display doctor wise hospital details.
- Display the doctor details that are living in 'Pune' city.
- Count the number hospitals to which 'Dr. Apte' is visiting.
- Display all the details of hospitals not located in 'Pune' city.

Consider the following Entities and Relationships
Student (rollno, name, marks, class)
Teacher (tno, tname)

The relation between Student and Teacher is many-to-many with subject as descriptive attribute.

Constraints : Primary Key,
Class has to be FY, SY or TY.

write queries in Oracle 10g for following.

- Count the number of teachers who are teaching subject 'C'
- Display all details of teachers who is teaching subject 'DBMS'.
- Display class wise number of students.
- List the teacher names who are teaching to student 'Amar'.

Consider the following Entities & Relationships
Student (sno,sname,city,class)
Subject (sub_no,sub_name)

Students & subjects are related with many-to-many with attribute marks.

Constraints: Primary key constraints and sname not null.
Class has to be FY, SY or TY.

write queries in Oracle 10g for following.

- Count the number of students for each class
- Display the name of all students who are studying in class 'TY'
- Display subject wise name of all students
- Display the students from 'Pune' city

- Count the number of students studying in 'FY' having marks between 60 to 70.
- Display student wise subject details.
- Display the details of all students who are studying 'DBMS' subject.
- Update the marks of students to 40 who have scored marks 39.

- Display the city wise student's details
- Find maximum marks scored in subject 'DBMS'
- Display all the details of students who have scored marks less than 60
- Display students who are studying in class 'SY' and living in the city 'Nagpur'

Consider the following Entities and Relationships
Book (bno, bname, pubname)
Author (ano, aname)

The relation between Book and Author is many-to-many.

Constraints : Primary Key,
Aname and Pubname should not be null.

construct queries in Oracle 10g.

- Count number of books of each publisher.
- Display all details of the book written by 'Kanetkar'.
- Display Author-wise list of books.
- Display the book-name whose author-name is 'Korth' and publisher name is 'BPB'.

Consider the following Entities and Relationships
Doctor (dno, dname, city)
Patient (opdno, pat_name, addr, disease)

The relation between Patient and Doctor is many-to-many.

Constraints : Primary Key, Address should not be null

write queries in Oracle 10g for following.

- Find the names of patients who are treated by 'Dr. Apte'.
- Display doctor wise details of patient
- Count the number of patients suffering from 'Asthma'.
- Find the name of doctors who are treating the 'Diabetics' patient.

Consider the following Entities and Relationships
Machine (mno, mname, mtype, mcost)
Part (pno, pnmae, pdesc)

Machine and parts are related with one to many relationships

Constraints :
Primary Key,
Machine name not be null

construct queries in Oracle 10g

- List all machines having cost > 5000.
- Display machine wise part details.
- Find the name of machine having maximum cost.
- Display the name of all machines having parts 'wheel'

- Increase the cost of machine by 10 %
- Display the machine names whose cost is between 50000 to 70000
- List all the parts of 'CNC' machine
- Delete the record from part table whose part name is wheel

Consider the following Entities & Relationships

Politician(pno,pname,pdesc)
Party(party_code,party_name)

Politician & party are related with many-to-one.

Constraints : Primary key, Foreign key, Party_name Not NULL

write queries in Oracle 10g for following.

- Display party wise politician details
- Display details of all politician of party 'BJP'
- Count the total number of politicians for each party
- Count the number of politicians having political description as 'AP'

Consider the following Entities & Relationships
Country (con-code,name,capital)
Population (pop-code,population)

Country & Population are related with one-to-one relationship.

Constraints : Primary key and country name should not be null

write queries in Oracle 10g for following.

- Give name and population of country whose capital is 'Delhi'
- Count the number of countries whose population is > 60,00,000
- Find the country details with highest population
- Display country wise population details

- Find the country details with lowest population
- List the name of countries whose population is between 50,00,000 and 70,00,000
- Find the population of 'India'
- Display the country details in descending order of population

Consider the following Entities & Relationships
Wholesaler(wno,wname,addr,city)
Product(pno,pname)

Wholesaler & Product are related with many-to-many relationship.

Constraints : Primary key, pname should not be null

write queries in Oracle 10g for following.

- Display wholesaler wise product details
- Count the number of products sold by wholesaler 'Dev Enterprise'
- Display the details of wholesalers living in the 'Mumbai' City
- Display the wholesaler details of product keyboard

Consider the following Entities & Relationships
Item (item_no,name,quantity)
Sup(no,name,addr,city,phone)

Item & sup are related with many-to-many relationships with rate, discount.

Constraints: Primary key and item qty > 5 and rate > 0.

write queries in Oracle 10g for following.

- Find the rate and discount of the item keyboard
- Display item names in ascending order of quantity
- Display the details of all suppliers from 'Pune' city
- Count the number of items supplied by supplier 'Mr. Bhatia'

- List all the details of items having quantity > 500
- Increase the 5% rate of the item mouse
- Display the item details supplied by the supplier 'Mr. Patil'
- Count the number of suppliers from each city

Consider the following Entities & Relationships
Person (pno,pname,birthdate,income)
Area (Ano,aname,atype);

Relationship between Person and area is many to one

Constraints :
Primary key,
Area type may be either rural or urban.

write queries in Oracle 10g for following.

- List the name of all person living in urban area
- List details of all persons whose name start with alphabet 'M'
- Display the details of person having maximum Income
- Count the number of persons from each type of area.

Consider the following Entities & Relationships
Patient (pno, pname, addr)
Bed(bno, roomno, description);

Relationship between Patient and Bed is one to one

Constraints:
Primary key.

write queries in Oracle 10g for following.

- Find the name of patients of bed number 103.
- Count the number of bed in room number 3
- Find bed number and room number of patient 'Mr. Sharma'
- List bed wise patient name along with room number

Consider the following Entities & Relationships
Customer(cno, cname, city)
Car (Carno, carmodel, color, price)

Customer and car are related with one to many relationships

Constraints:
Primary key,
Price should be > 0

write queries in Oracle 10g for following.

- list car model and color of car belong to 'Mr. Jadhav'
- Display the car details having maximum price.
- Count the number of cars belong to 'Mr. Patil'
- List customer wise car model

Consider the following Entities & Relationships
Room(Rno, roomtype, Rate)
Guest(Gno,gname,no_of_days)

Room and Guest are related with one to one relationship.

Constraint: Primary Key
no_of_days should be > 0

write queries in Oracle 10g for following.

- Find the type of room number 101
- Find the name of guest who have allocated room more than three days
- Display the room information having maximum rate.
- List room wise guest name

Consider the following Entities & Relationships
Company(cid,cname,cproduct,state)
Branches(bno, city)

Company and Branches are related with one to many relationships

Constraint:
Primary Key,
Customer Name should not be null

write queries in Oracle 10g for following.

- List the product names of company 'MicroTech'
- List all the companies of product keyboard
- List all the branches along with city of company 'Lenovo'
- Count the number of branches of company 'Compaq'

Consider the following Entities & Relationships
Teacher (tno, tname, collegename,dept)
Exam(examtno, examname)

Teacher and Exam related with many to many relationships.

Constraints: Primary key,
examname should not be null

write queries in Oracle 10g for following.

- Find department of teacher 'Mrs. Jadhav' of D.Y.Patil College
- List all teachers who have given SET examination.
- Count the number of teachers of 'MJC' College
- List College wise teacher name with examination given by teacher

Consider the following Entities & Relationships
Student(Rollno, sname, birthdate)
Course(Cno, Cname, Course_fee, Duration)

Student and Course are related with many to many relationships.

Constraints: Primary key,
Course fee should be > 0

write queries in Oracle 10g for following.

- Count the number of courses joined by 'Nilesh'
- List the name of all students who have joined for course c++
- Display details of course having maximum fee.
- List course wise Student names along with course fee and duration

Consider the following entities & relationships
Department(dno,dname,HOD,location)
Project (pno, pname, status)

Department and Project are related with one to many relationships

Constraints : Primary Key,
Project Status Constraints: C – completed, P-Progressive, I-Incomplete

write queries in Oracle 10g for following.

- Find HOD of Computer Department located in 'Pune'.
- List all projects of mathematics department which are Incomplete
- Display the Project details of Computer Department
- List department wise project along with status

Consider the following entities & relationships
Plant (Plant_Code, Plant_Name,Plant_Cost, Plant_Type)
Nutrients (Ncode, N_Name)

Plant and Nutrients are related with one to many relationship

Constraints : Primary Key,
Quantity should be > 0
Plant Type Constraint: F- Flowering and NF – Non-flowering

write queries in Oracle 10g for following.

- Count the number of plants for each plant type
- List all nutrients whose name start with 'U'
- List all the plants to whom nutrients 'Urea' is given
- Display plant wise nutrients given