

## **List of Questions**

### **1.Consider the Following Database:**

A software company wants to track project details

Employee(Empid , Empname, Address, Doj, Salary)

Empid as Primary key

Project (Projectno, Duration, Projectname).

Project no as Primary Key

Workson(Empid,Projno).

Empid as Foreign key references Employee

Projectno as Foreign key references Project

1. Display the Employee details in the descending order based on name.
2. Display the project details if project id is given.
3. Display the employee names starting with 'B'
4. Display the employee ID's working in a particular project  
if project no is given.

### **2.Consider the Following Database:**

Student(Rollno, Name, Marks(of 6 subjects),total)

Rollno as Primary key

Department(Deptid, Deptname, HOD name) and

Deptid as Primary key

StudDep(Rollno, Deptid).

Rollno as foreign key references Student

Deptid as foreign key references Department

The total field is updated automatically

1. Insert 10 student details and 3 department details. Insert details in the studdep table.
2. Display the Student details if deptid is given
3. Display the department details if rollno is given
4. Display the student names who got total greater than 500
5. Display the HOD name of the CSE department
6. Display the student rollnos of the CSE department

**3. Consider the Following Database:**

salesperson(ssn, name, start\_year, dept\_no)

ssn – Primary Key

trip(ssn, from\_city, to\_city, departure\_date, return\_date, trip\_id)

ssn – Foreign key

trip\_id – Primary key

salerep\_expense(trip\_id, expense\_type, amount)

trip\_id – Foreign key

The expense types are 'TRAVEL', 'STAY' and 'FOOD'

1. Give the details (all attributes of trip relation) for trips that exceed Rs2000.

2. Print the ssn of salesperson who took trips to chennai more than once
3. Print the total trip expenses incurred by the salesperson with ssn = 1000
4. Display the salesperson details in the sorted order based on name.

**4. Consider the Following Database:**

car(serial\_no, model, manufacturer, price)

serial\_no – Primary key

options(serial\_no, option\_name, price)

serial\_no – Foreign key

sales(salesperson\_id, serial\_no, date, sale\_price)

serial\_no – Foreign key

salesperson\_id – Foreign key

salesperson(salesperson\_id, name, phone)

salesperson\_id – Primary key

1. For the sales person named 'John' list the following information for all the cars sold : serial no, manufacturer, sale\_price
2. List the serial\_no and model of cars that have no options
3. List the serial\_no, model, sale\_price for the cars that have optional parts.
4. Modify the phone no of a particular sales person