DDL and DML statements:-

Create the tables with given schema and insert the data in the same:

1) Employee

Empid	EmpName	Department	ContactNo	EmailId	EmpHeadId
101	Isha	E-101	1234567890	isha@gmail.com	105
102	Priya	E-104	1234567890	priya@yahoo.com	103
103	Neha	E-101	1234567890	neha@gmail.com	101
104	Rahul	E-102	1234567890	rahul@yahoo.com	105
105	Abhishek	E-101	1234567890	abhishek@gmail.com	102

Schema: - create table employee(empid int primary key,empname varchar(100), department varchar(50),contactno bigint, emaildid varchar(100), empheadid int)

2) EmpDept

DeptId	DeptName	Dept_off	DeptHead
E-101	HR	Monday	105
E-102	Development	Tuesday	101
E-103	House Keeping	Saturday	103
E-104	Sales	Sunday	104
E-105	Purchase	Tuesday	104

Schema:-create table empdept(deptid varchar(50) primary key,deptname varchar(100), dept_off varchar(100), depthead int foreign key references employee(empid))

3) EmpSalary

EmpId	Salary	IsPermanent
101	2000	Yes
102	10000	Yes
103	5000	No
104	1900	Yes
105	2300	Yes

Schema:-create table empsalary(empid int foreign key references employee(empid), salary bigint, ispermanent varchar(3))

4) Project

ProjectId	Duration
p-1	23
p-2	15
p-3	45
p-4	2
p-5	30

Schema:-create table project(projectid varchar(50) primary key, duration int)

5) Country

CId	CName
c-1	India
c-2	USA
c-3	China
c-4	Pakistan
c-5	Russia

Schema:-create table country(cid varchar(50) primary key, cname varchar(100))

6) ClientTable

ClientId	ClientName	CId
cl-1	ABC Group	c-1
cl-2	PQR Industries	c-1
cl-3	XYZ Pvt Ltd	c-2
cl-4	Alt technologies	c-3
cl-5	MNP Tech	c-5

Schema:-create table clienttable(clientid varchar(50) primary key, clientname varchar(100), cid varchar(50) references country(cid))

7)EmpProject

EmpId	ProjectId	ClientID	StartYear	EndYear
101	p-1	Cl-1	2010	2010
102	p-2	Cl-2	2011	2013
103	p-1	Cl-3	2014	
104	p-4	Cl-1	2015	2015
105	p-4	Cl-5	2018	

Schema:- create table empproject(empid int foreign key references employee(empid), projectid varchar(50) foreign key references project(projectid), clientid varchar(50) foreign key references clienttable(clientid),startyear int, endyear int)

Queries:-
1. Select the detail of the employee whose name start with P.
2. How many permanent candidate take salary more than 5000.
3. Select the detail of employee whose emailId is in gmail.
4. Select the details of the employee who work either for department E-104 or E-102.
5. What is the department name for DeptID E-102
6. What is total salary that is paid to permanent employees
7. List name of all employees whose name ends with a.
8. List the number of department of employees in each project.
9. How many projects started in year 2010.
10. How many projects started and finished in the same year.
11. Select the name of the employee whose name's 3rd character is 'h'.

SubQuery:-
1. Select the department name of the company which is assigned to the employee whose employee id is greater 103.
2. Select the name of the employee who is working under Abhishek.
3. Select the name of the employee who is department head of HR.
4. Select the name of the employee head that is permanent.
5. Select the name and email of the Dept Head who is not permanent.
6. Select the employee whose department off is Monday
7. Select the Indian clients' details.
8. Select the details of all employees working in development department.

Joins:-
1. Select the details of employees to display the salary of only permanent employees
2. Display all the employees with the names of their heads
3. Display the employee information whose salary is null

Triggers:-
1. Create a table Deadline(Project ID, StartDate and DeadlineDate)
2. Create a trigger on Project table which will set the DeadlineDate of Deadline table as 15 months for project p-1, 30 days for project p-2 and 45 days for project p-3

Stored Procedures:-
1. Create SP for Insert, Update and Delete on Employee table
2. Create SP to display Employee info with maximum salary