Table Name:- 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 |

EmpDept

|  |  |  |  |
| --- | --- | --- | --- |
| DeptId | DeptName | Dept\_off | Empid |
| E-101 | HR | Monday | 105 |
| E-102 | Development | Tuesday | 101 |
| E-103 | Hous Keeping | Saturday | 103 |
| E-104 | Sales | Sunday | 104 |
| E-105 | Purchage | Tuesday | 104 |

EmpSalary

|  |  |  |  |
| --- | --- | --- | --- |
| SalaryId | Salary | IsPermanent | Empid |
| 1 | 2000 | Yes | 102 |
| 2 | 10000 | Yes | 103 |
| 3 | 5000 | No | 105 |
| 4 | 1900 | Yes | 101 |
| 5 | 2300 | Yes | 104 |

Project

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

Country

|  |  |
| --- | --- |
| cid | cname |
| c-1 | India |
| c-2 | USA |
| c-3 | China |
| c-4 | Pakistan |
| c-5 | Russia |

ClientTable

|  |  |  |
| --- | --- | --- |
| ClientId | ClientName | cid |
| cl-1 | ABC Group | c-1 |
| cl-2 | PQR | c-1 |
| cl-3 | XYZ | c-2 |
| cl-4 | tech altum | c-3 |
| cl-5 | mnp | c-5 |

EmpProject

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sr.no | EmpId | ProjectId | ClientID | StartYear | EndYear |
| 1 | 101 | p-1 | Cl-1 | 2010 | 2010 |
| 2 | 102 | p-2 | Cl-2 | 2010 | 2012 |
| 3 | 103 | p-1 | Cl-3 | 2013 |  |
| 4 | 104 | p-4 | Cl-1 | 2014 | 2015 |
| 5 | 105 | p-4 | Cl-5 | 2015 |  |

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 salarythat 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 project started in year 2010
10. How many project started and finished in the same year
11. select the name of the employee whose name's 3rd charactor is 'h'.

Queries Solution:

Schema:-

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

Schema:-

create table empdept(deptid varchar(50) primary key,deptname varchar(100), dept\_off varchar(100), depthead int foreign key references employee(empid))

Schema:-

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

Schema:-

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

Schema:-

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

Schema:-

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

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)

Simple Queries

1. select \* from employee where empname like 'p%'
2. select count(salary) as count from empsalary where ispermanent='yes' and salary>5000
3. select \* from employee where emaildid like '%@gmail.com'
4. select \* from employee where department='E-102' or department='E-104'

or select \* from employee where department in ('E-102','E-104')

1. select deptname from empdept where deptid ='E-102'
2. select sum(salary) as salary from empsalary where ispermanent='yes'
3. select \* from employee where empname like '%a'
4. select count(empid) as employee, projectid from empproject group by projectid
5. select count(projectid) as project from empproject where startyear=2010
6. select count(projectid) as project from empproject where startyear=endyear
7. select \* from employee where empname like '\_\_h%'