

SQL project

Table creation

Employee

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

```
select * from employee;
```

The screenshot shows the MySQL Workbench interface with the 'Result Grid' tab selected. The results pane displays the data from the 'employee' table:

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
*	NULL	NULL	NULL	NULL	NULL

Empdept

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

```
select * from empdept;
```

The screenshot shows the MySQL Workbench interface with the 'Result Grid' tab selected. The results pane displays the data from the 'empdept' table:

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
*	NULL	NULL	NULL

Empsalary

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

```
select * from empSalary;
```

The screenshot shows a database result grid titled "Result Grid". The table has three columns: "empid", "salary", and "ispermanent". The data is as follows:

empid	salary	ispermanent
101	2000	Yes
102	10000	Yes
103	5000	No
104	1900	Yes
105	2300	Yes

Below the grid, there is a status bar with tabs: "empSalary 12" (active), "Result 14", "employee 15", and "employee 16". On the right side, there is a vertical toolbar with icons for "Result Grid", "Form Editor", and "Field Types", and a "Read Only" status indicator.

Project#15 query

Q1: what is the department name for DeptId E-102?

Ans: select deptname from empdept where deptid='E-102';

The screenshot shows a database result grid titled "Result Grid". The table has one column: "deptname". The data is as follows:

deptname
Development

Below the grid, there is a status bar with tabs: "empdept 13" (active), "Result 14", "employee 15", and "employee 16". On the right side, there is a vertical toolbar with icons for "Result Grid", "Form Editor", and "Field Types", and a "Read Only" status indicator.

Q2: what is the total salary that is paid to the permanent employees?

Ans: select sum(salary) from empsalary group by ispermanent having ispermanent='Yes';

The screenshot shows a database result grid titled "Result Grid". The table has one column: "sum(salary)". The data is as follows:

sum(salary)
16200

Below the grid, there is a status bar with tabs: "empdept 13", "Result 14" (active), "employee 15", and "employee 16". On the right side, there is a vertical toolbar with icons for "Result Grid", "Form Editor", and "Field Types", and a "Read Only" status indicator.

Q3: List name of all employees whose name ends with a

Ans: select empname from employee where empname like '%a';

empname
Isha
Priya

Q4: select the name of the employee head who is not permanent

Ans: select empname from employee

where empid=(select empheadid from employee where empheadid in (select empid from empsalary where ispermanent='No'));

empname
Neha