

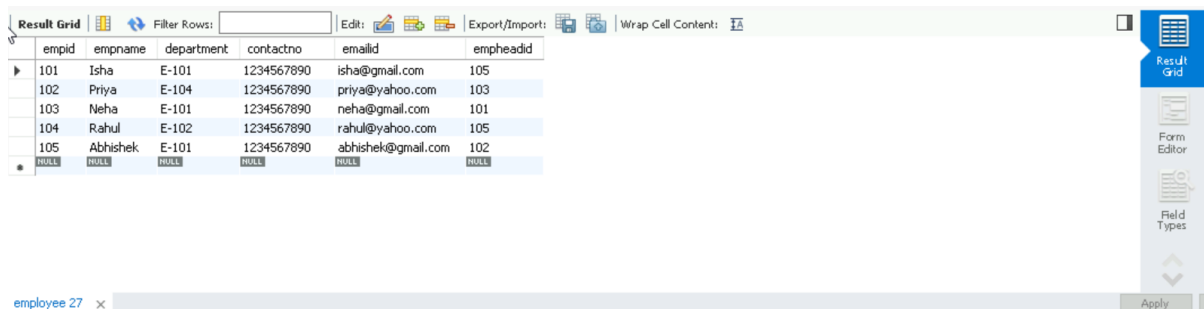
# SQL project

## 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;



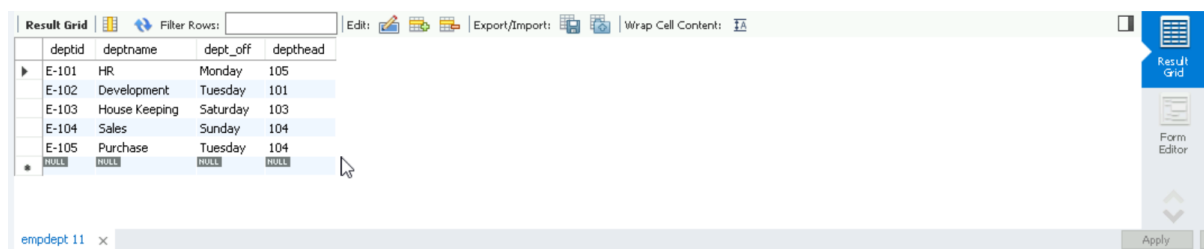
empid	empname	department	contactno	emailid	empheadid
101	Isha	E-101	1234567890	isha@gmail.com	105
102	Priya	E-104	1234567890	priya@yahoo.com	103
103	Neha	E-101	1234567890	neha@gmail.com	101
104	Rahul	E-102	1234567890	rahul@yahoo.com	105
105	Abhishek	E-101	1234567890	abhishek@gmail.com	102
NULL	NULL	NULL	NULL	NULL	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;



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	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 query result grid. The grid has three columns: empid, salary, and ispermanent. The data is as follows:

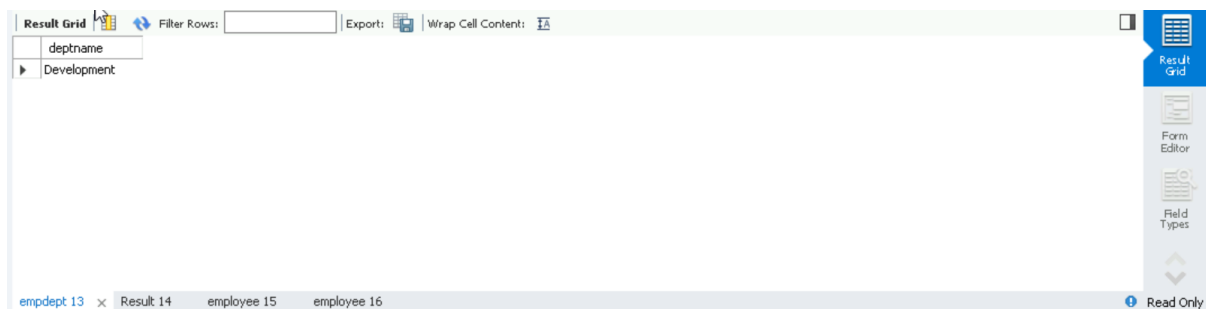
empid	salary	ispermanent
101	2000	Yes
102	10000	Yes
103	5000	No
104	1900	Yes
105	2300	Yes

The interface includes a 'Filter Rows' field, 'Export' and 'Wrap Cell Content' buttons, 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 query result grid. The grid has one column: deptname. The data is as follows:

deptname
Development

The interface includes a 'Filter Rows' field, 'Export' and 'Wrap Cell Content' buttons, 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 query result grid. The grid has one column: sum(salary). The data is as follows:

sum(salary)
16200

The interface includes a 'Filter Rows' field, 'Export' and 'Wrap Cell Content' buttons, 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';



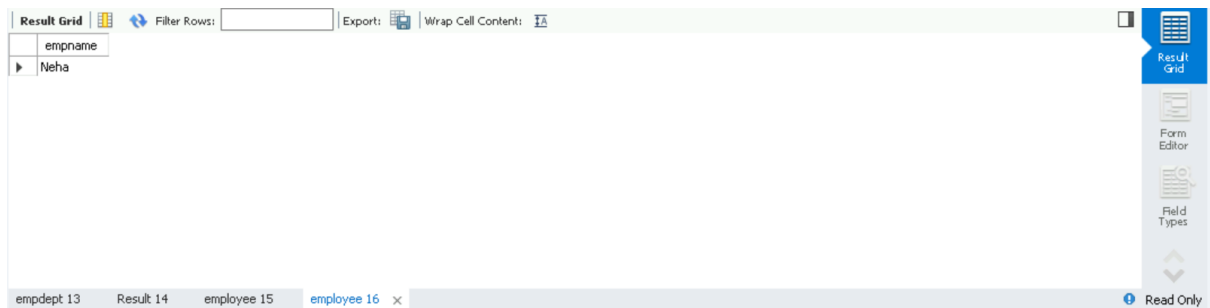
The screenshot shows a database query result grid. The top bar includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The grid has a single column labeled 'empname'. The results are 'Isha' and 'Priya'. The bottom status bar shows 'empdept 13', 'Result: 14', 'employee 15', and 'employee 16'. A 'Read Only' indicator is present on the right.

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'));



The screenshot shows a database query result grid. The top bar includes a 'Filter Rows' field, an 'Export' button, and a 'Wrap Cell Content' checkbox. The grid has a single column labeled 'empname'. The result is 'Neha'. The bottom status bar shows 'empdept 13', 'Result: 14', 'employee 15', and 'employee 16'. A 'Read Only' indicator is present on the right.

empname
Neha