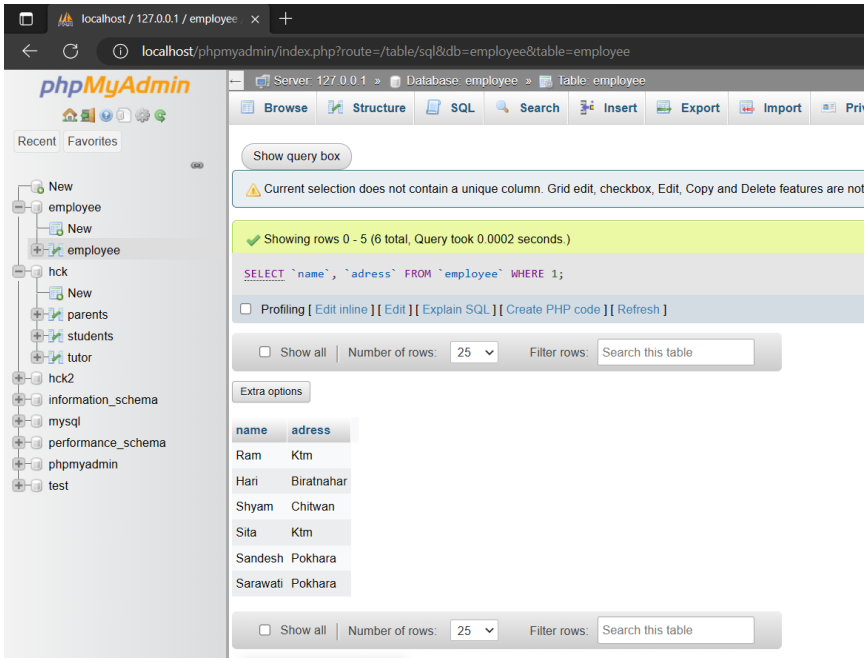
Instruction: Attempt all the questions

1. Write the appropriate queries to create the following table and answer the question below:
   Create table_name as Employee

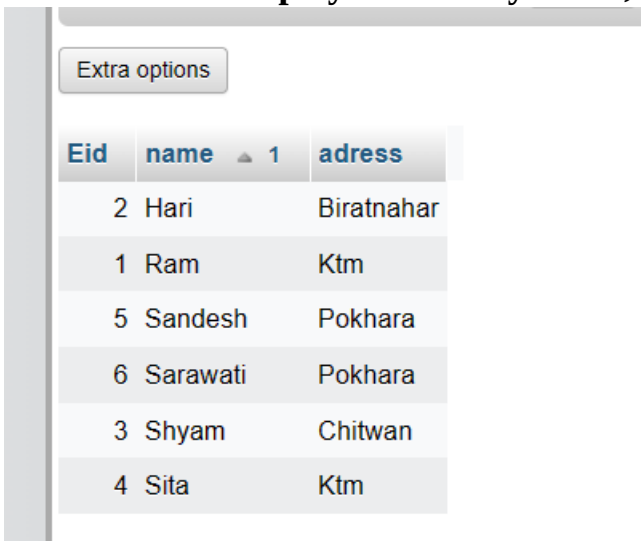
Eid	Name	Address
1	Ram	Ktm
2	Hari	Biratnagar
3	Shyam	Chitwan
4	Sita	Ktm
5	Sandesh	Pokhara
6	Saraswati	Pokhara

Eid	name	adress
1	Ram	Ktm
2	Hari	Biratnahar
3	Shyam	Chitwan
4	Sita	Ktm
5	Sandesh	Pokhara
6	Sarawati	Pokhara

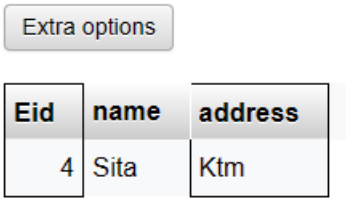
a) Display all records except Eid.
   Select name, address from Employee;



b) Display all Name of the employee in alphabetical order.
Select * from Employee order by name;

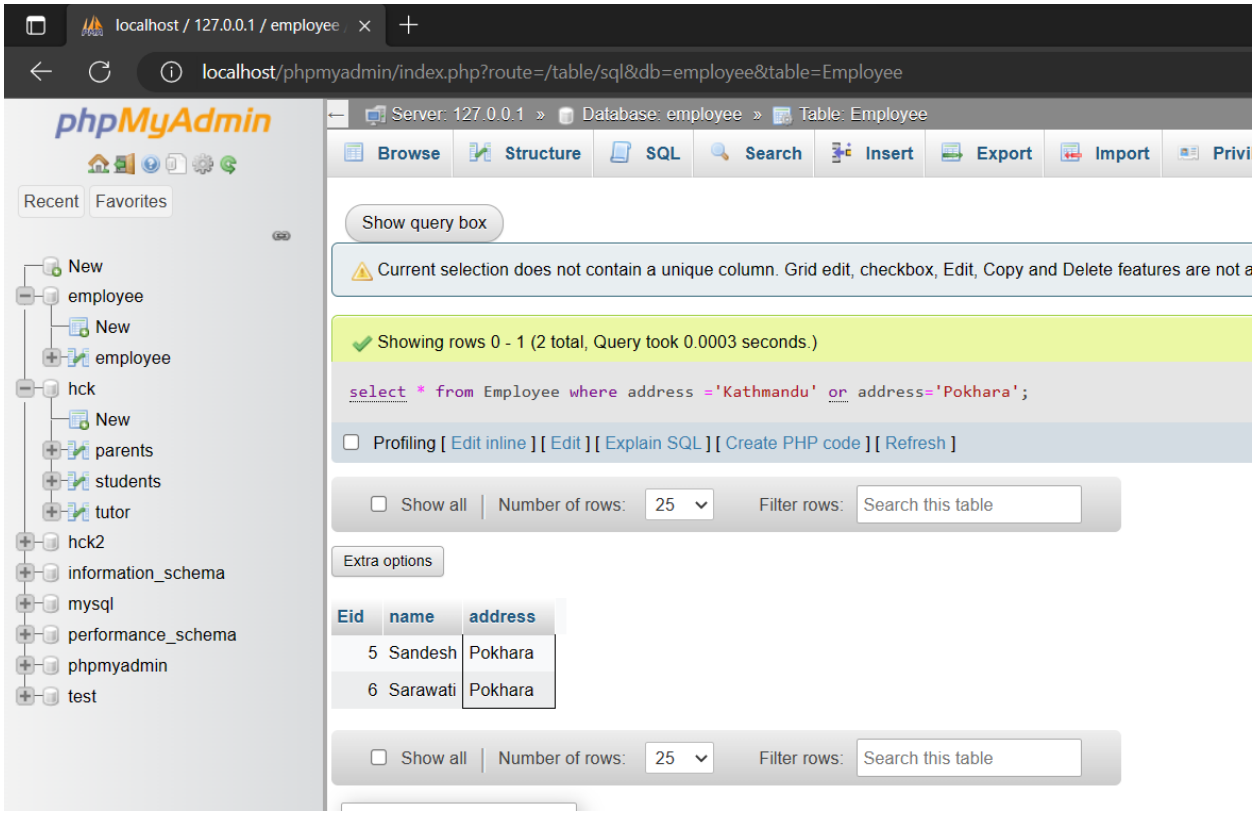


c) Write a query to display the name who lives in ktm and id>2.
select * from Employee where address =”Kathmandu ” AND id >2;

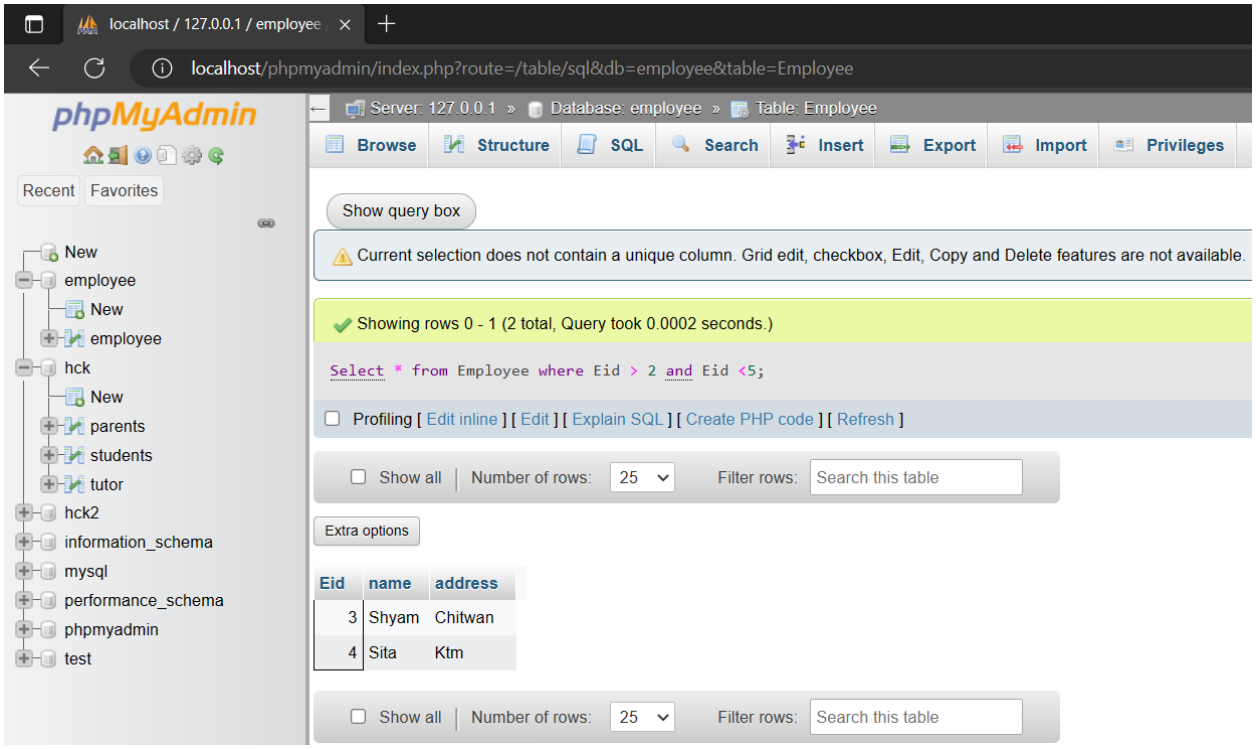


d) Write a query to display the name who lives either in ktm OR Pokhara.

select * from Employee where address =”Kathmandu ” or address=”Pokhara”;

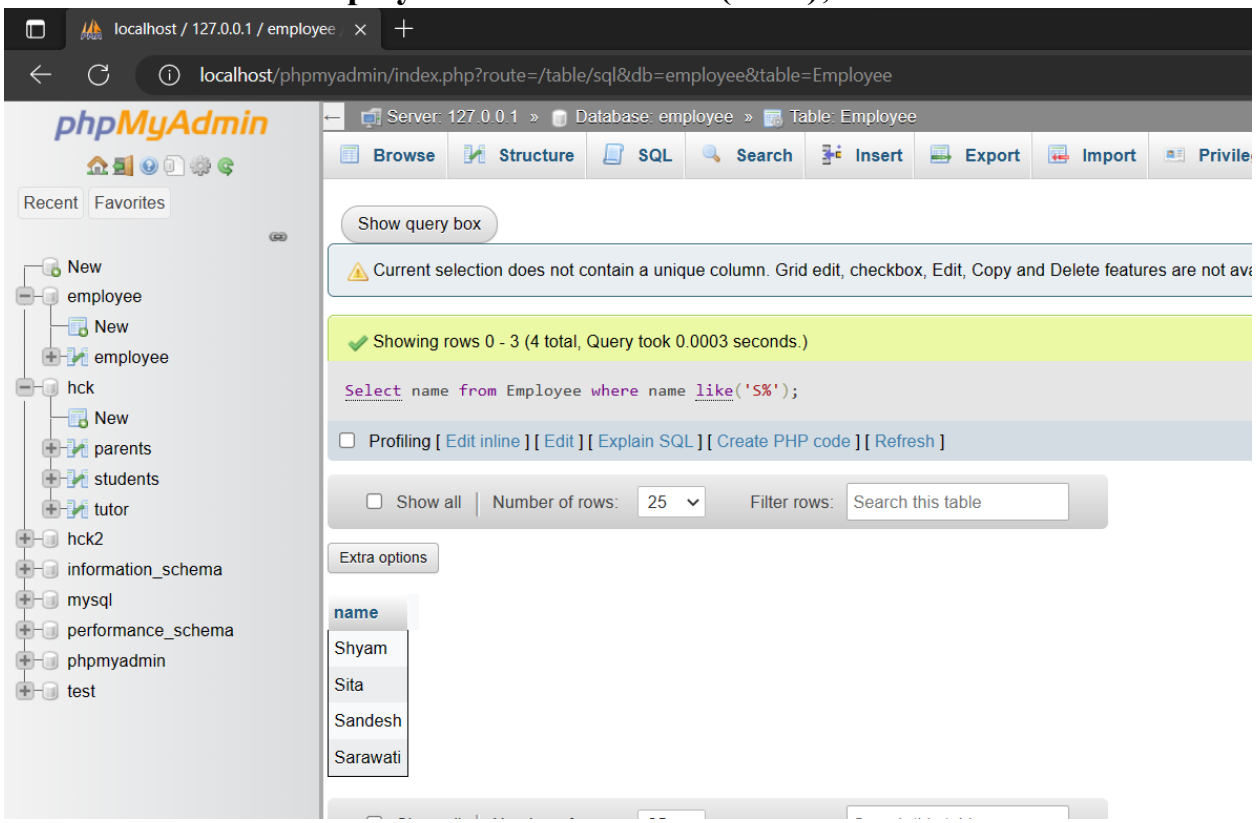


e) Write a query to display the name whose Eid is between 2 and 5.
Select * from Employee where Eid > 2 and Eid <5;



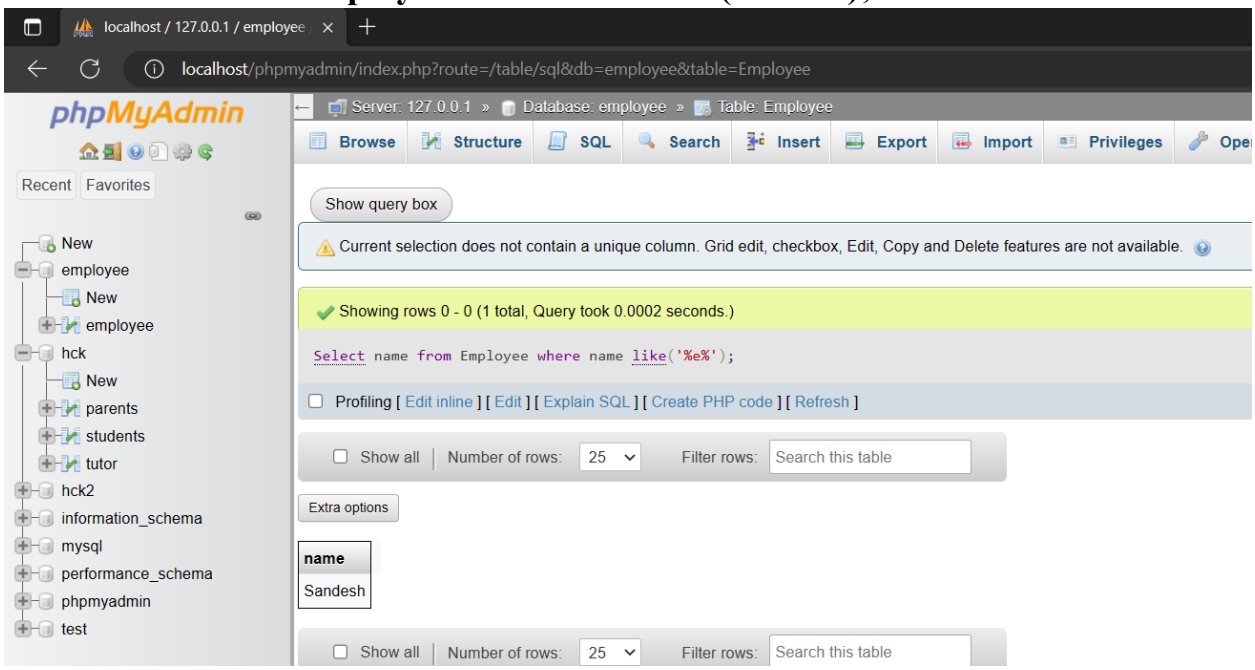
f) List the Name of Employee whose name start with letter ‘S’.

Select name from Employee where name like(‘s%’);



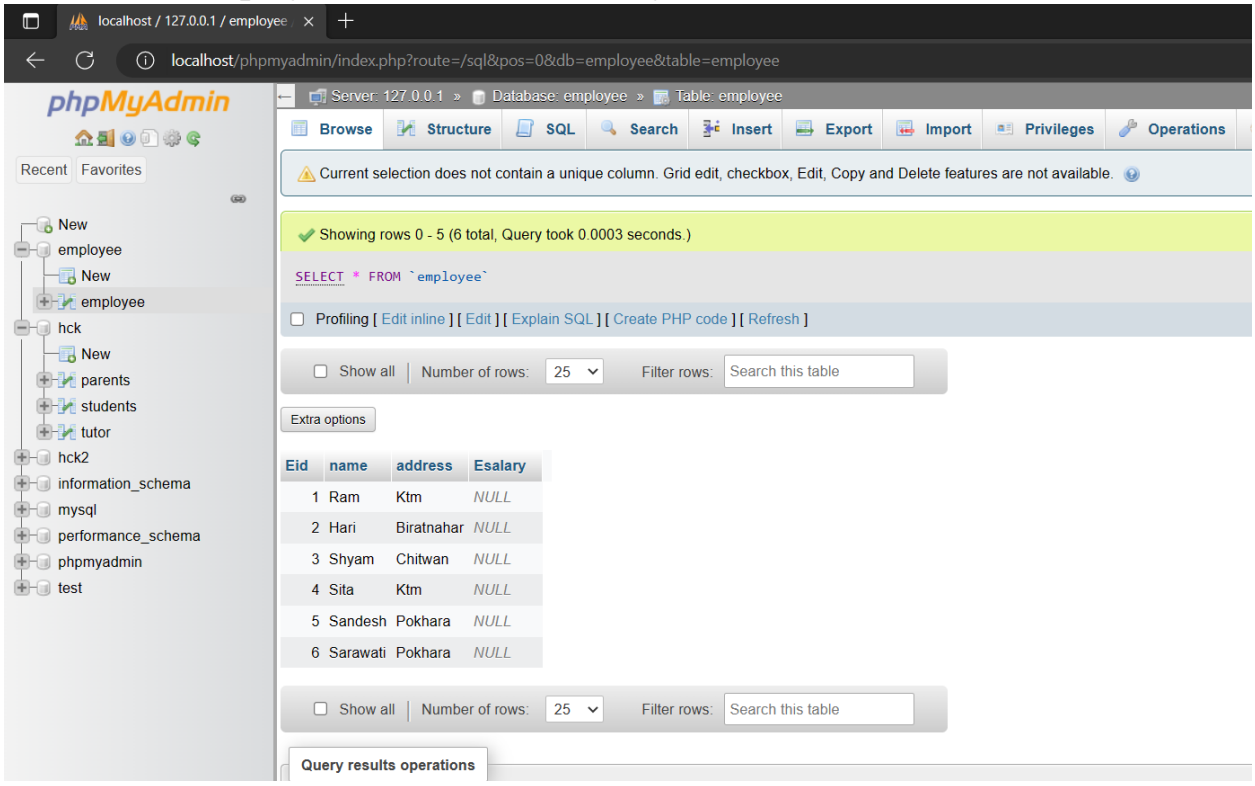
g) List the Name of Employee whose name containing letter ‘e’.

Select name from Employee where name like('%e%');



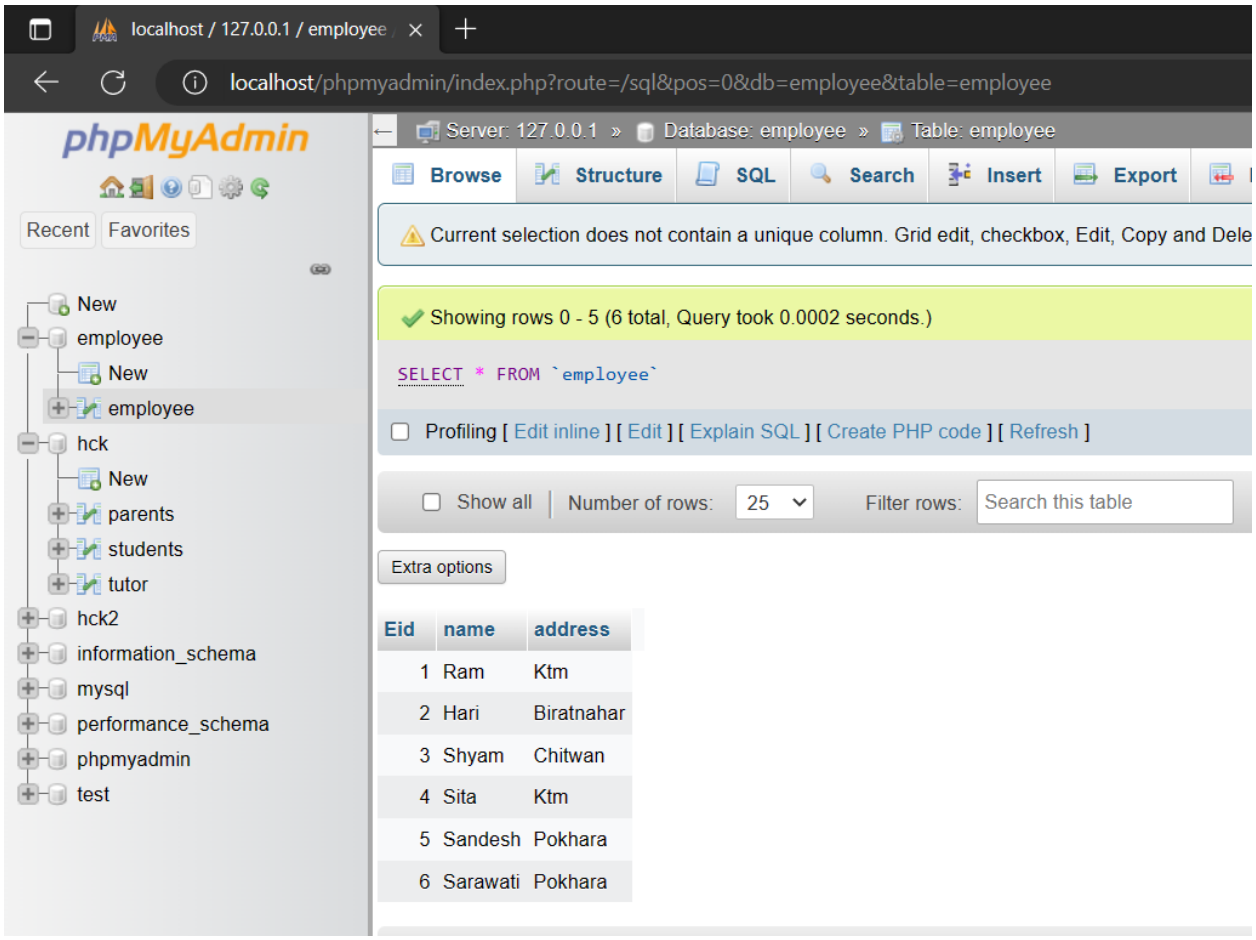
h) Add a new column Esalary in the table Employee after Address field.

Alter table Employee add column Esalary varchar (40);



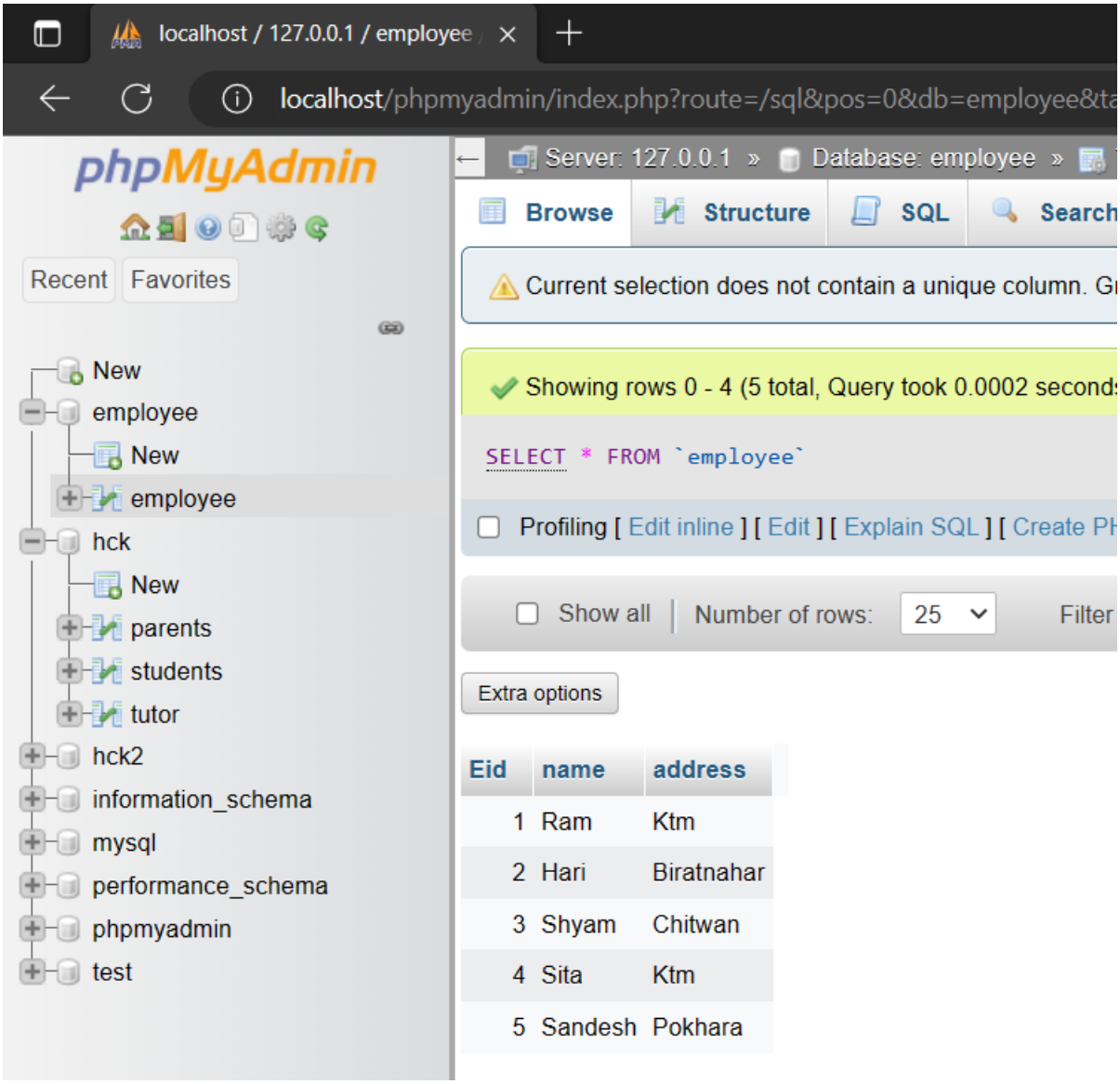
i) After that, delete Esalary field.

Alter table Employee drop Esalary;



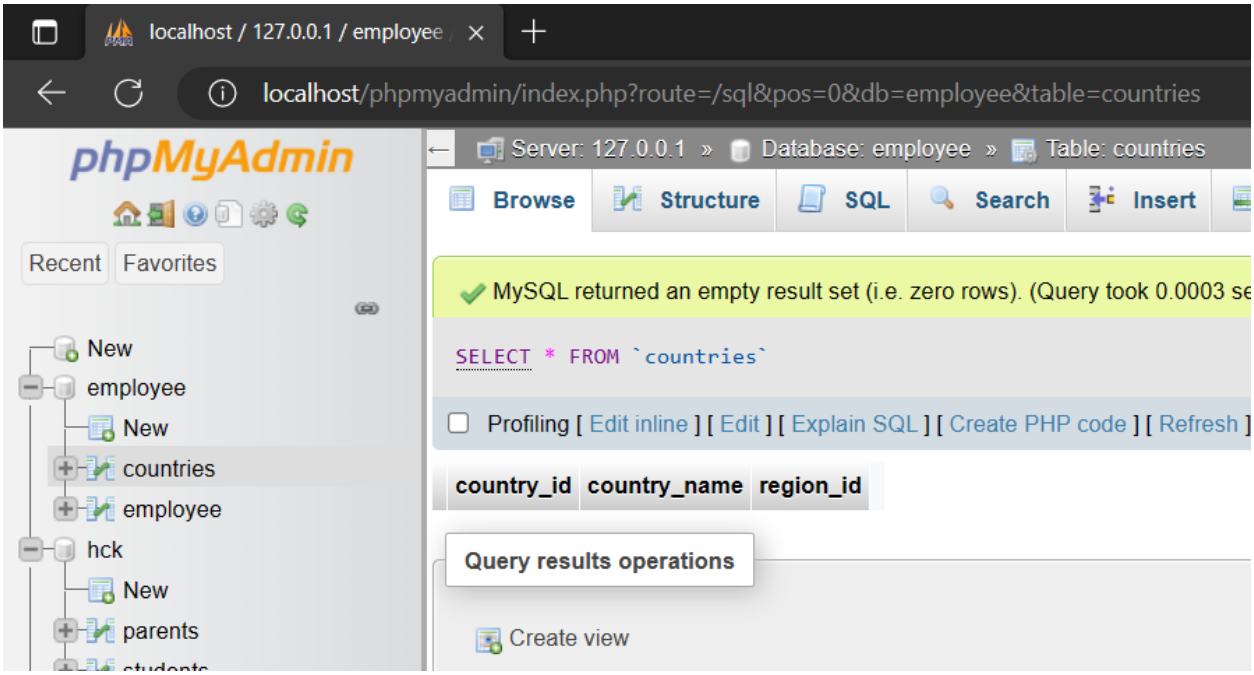
j) Delete all the records of Eid 6.

Delete form Employee where Eid=6;

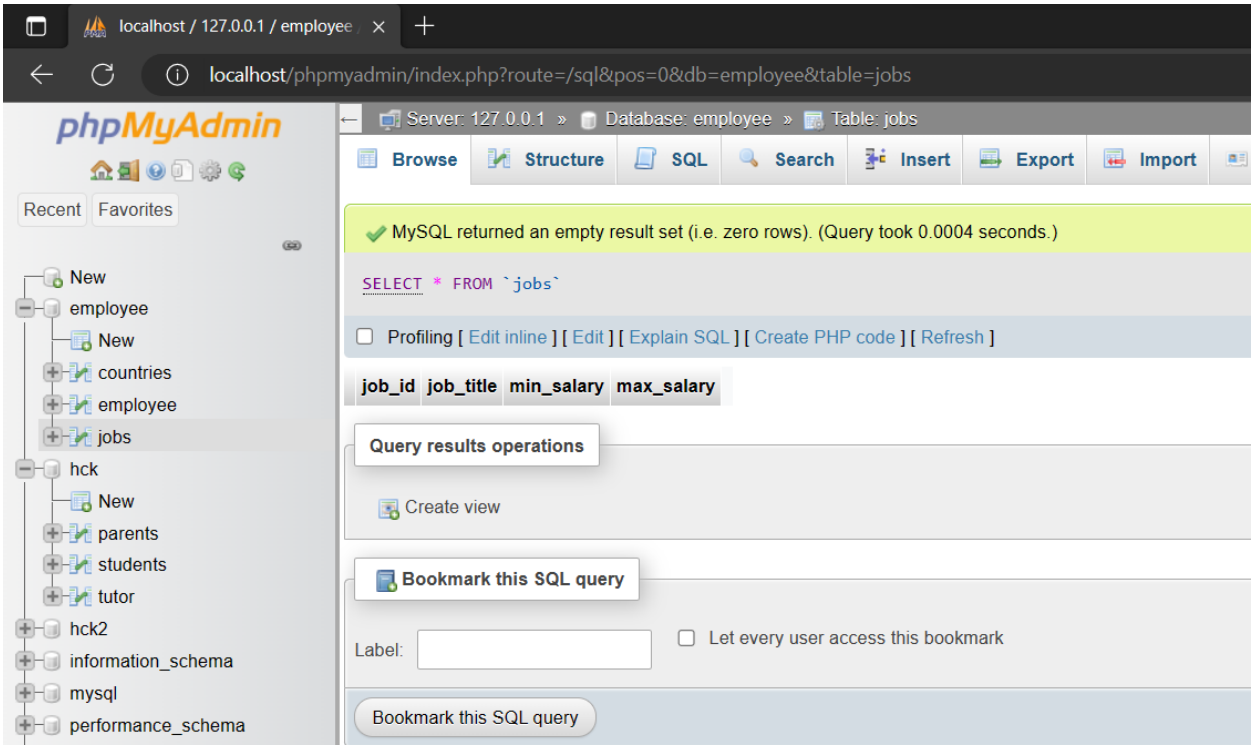


2. Write a SQL statement to create a table "**countries"** including columns country_id, country_name and region_id and make sure that the column country_id will be unique and store an auto incremented value.

   create table countries(country_id int, country_name varchar(20), region_id int, primary key(country_id));



3. Write a SQL statement to create a table named **Jobs** including columns job_id, job_title, min_salary and max_salary, and make sure that, the default value for job_title is blank and min_salary is 8000 and max_salary is NULL will be entered automatically at the time of insertion if no value assigned for the specified columns.
   create table jobs(job_id int, job_title varchar(20) default ' ',min_salary float default 8000, max_salary float default NULL);



4. On the basis of following table answer the question below:

Emp_id	Name	Dep_id	Job_title	Salary
1	Ajit Kumar	18	Engineer	25000.00
2	Ujjwal	5	Programmer	32000.00
3	Ram Prashad	5	Supervisor	23000.00
4	Jyotirma	18	Receptionist	20000.00
5	Kanchan	5	Programmer	21000.00
6	Daya	3	Manager	35000.00
7	Samip	18	Supervisor	24000.00

a) Write SQL statement for Emp_id using not null auto_increment.

```
CREATE TABLE new_employee(
    Emp_id INT NOT NULL AUTO_INCREMENT,
    Name VARCHAR(50) NOT NULL,
    Dep_id INT NOT NULL,
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    Job_title VARCHAR(50) NOT NULL,
    Salary DECIMAL(10, 2) NOT NULL,
    PRIMARY KEY (Emp_id)
);
```
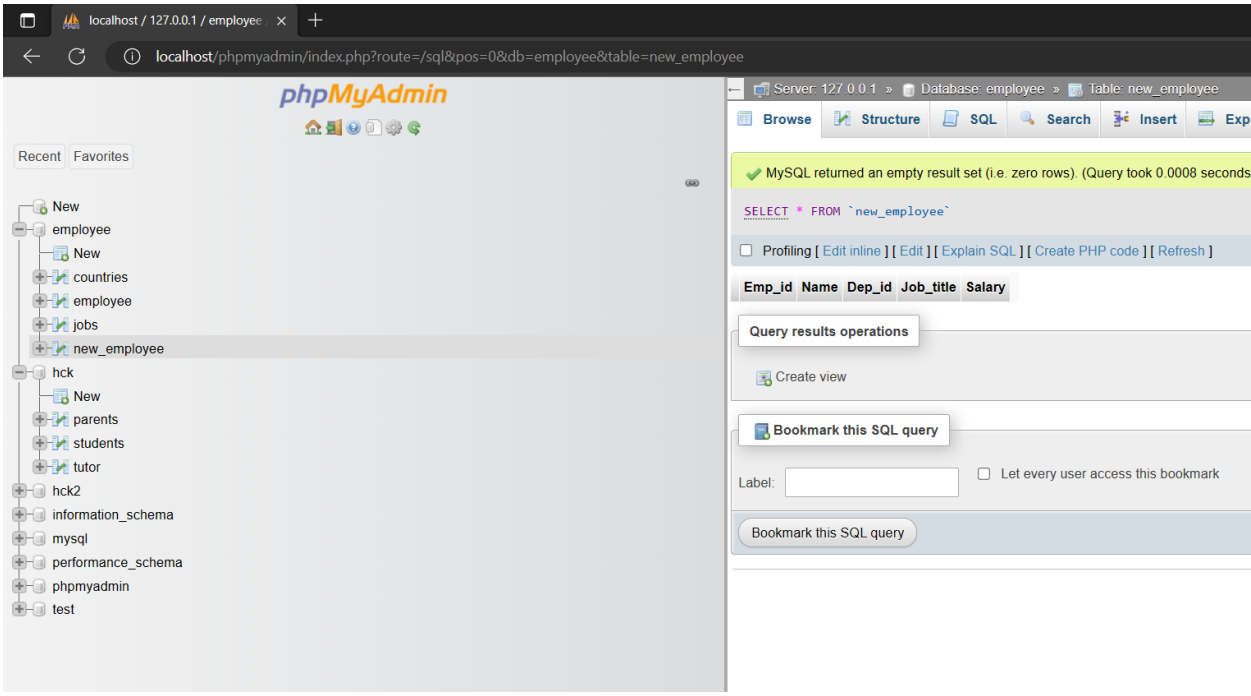
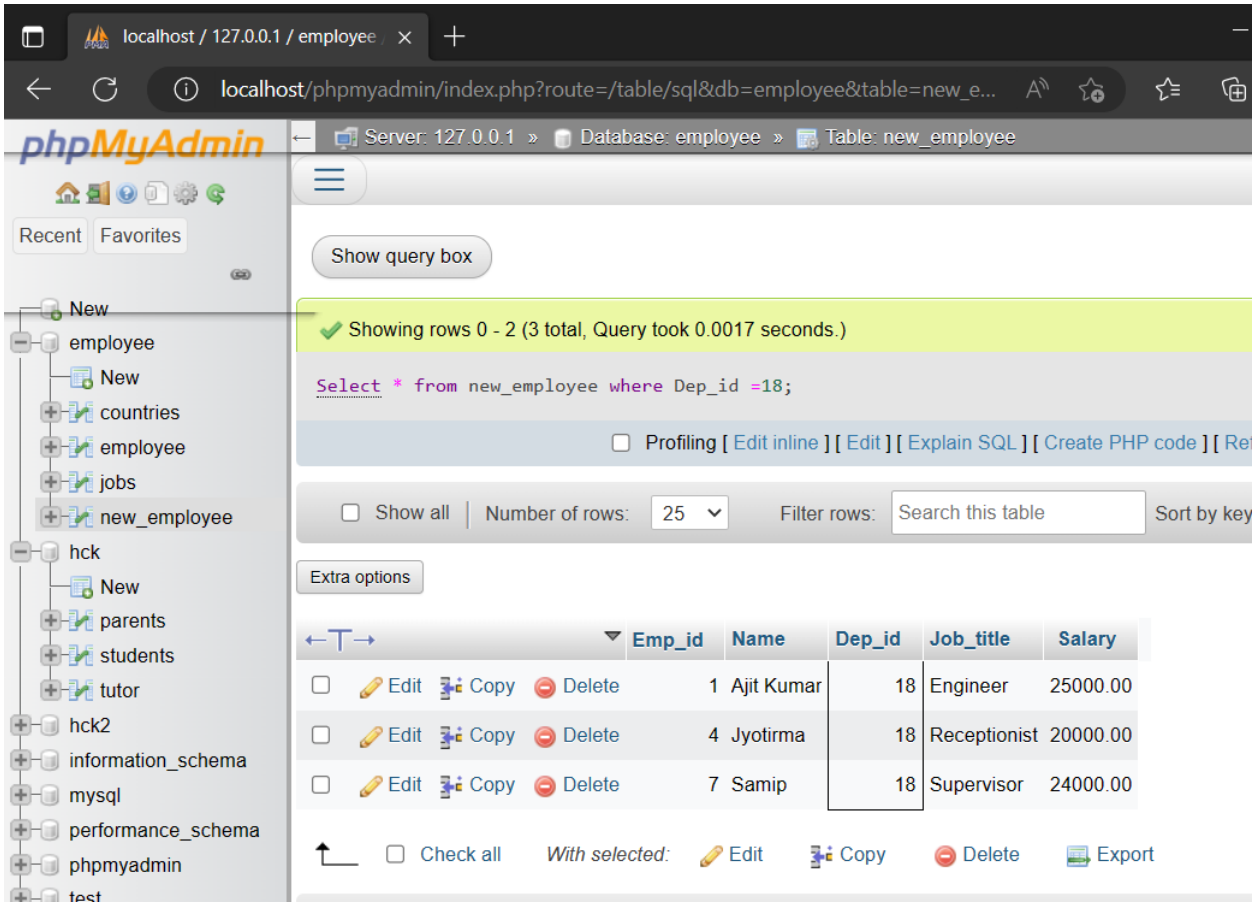
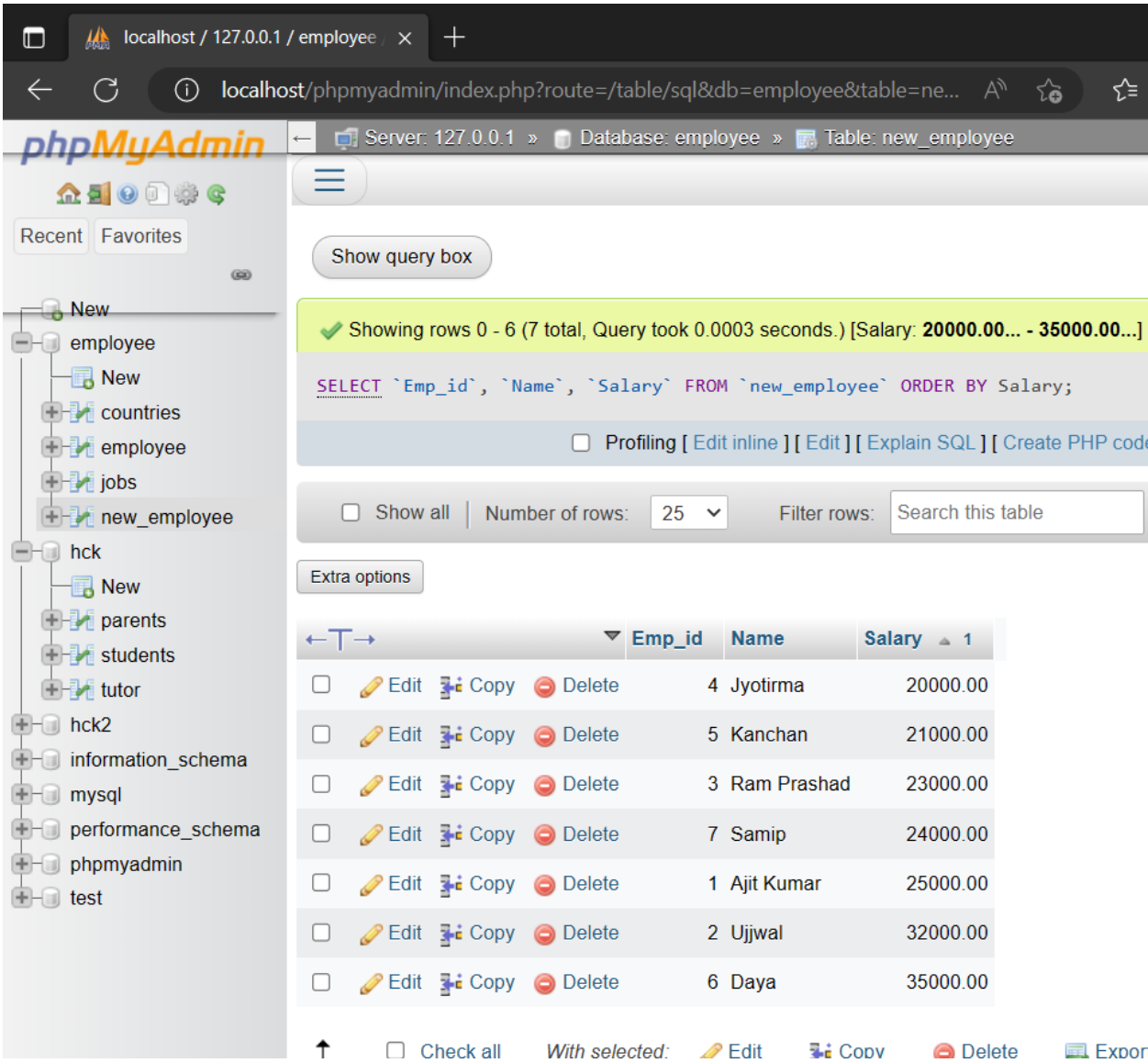



b) Display all the records from field Dep_id 18.
Select * from table_name where dep_id =18

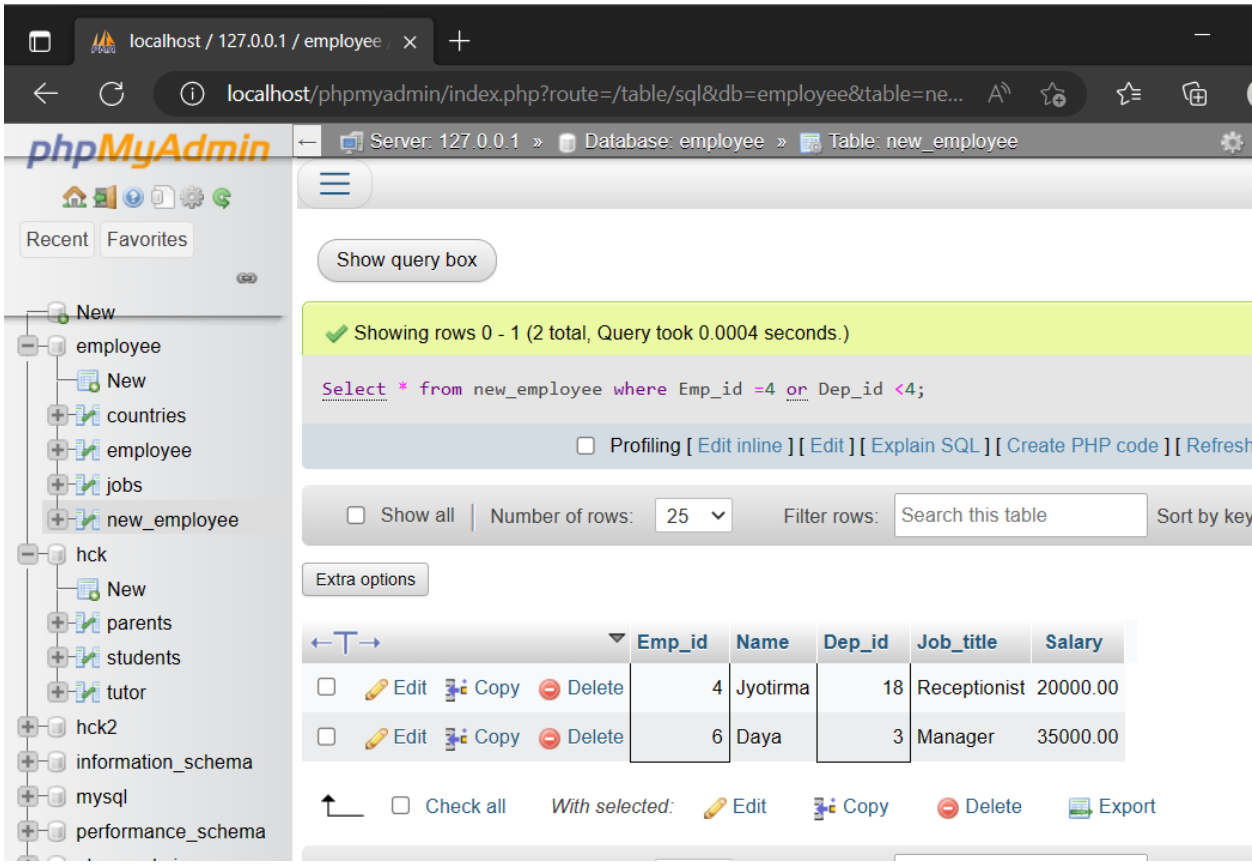


c) Display Emp_id, Name and Salary of all employee's in ascending order of Salary.

Select * from Employee order by salary;

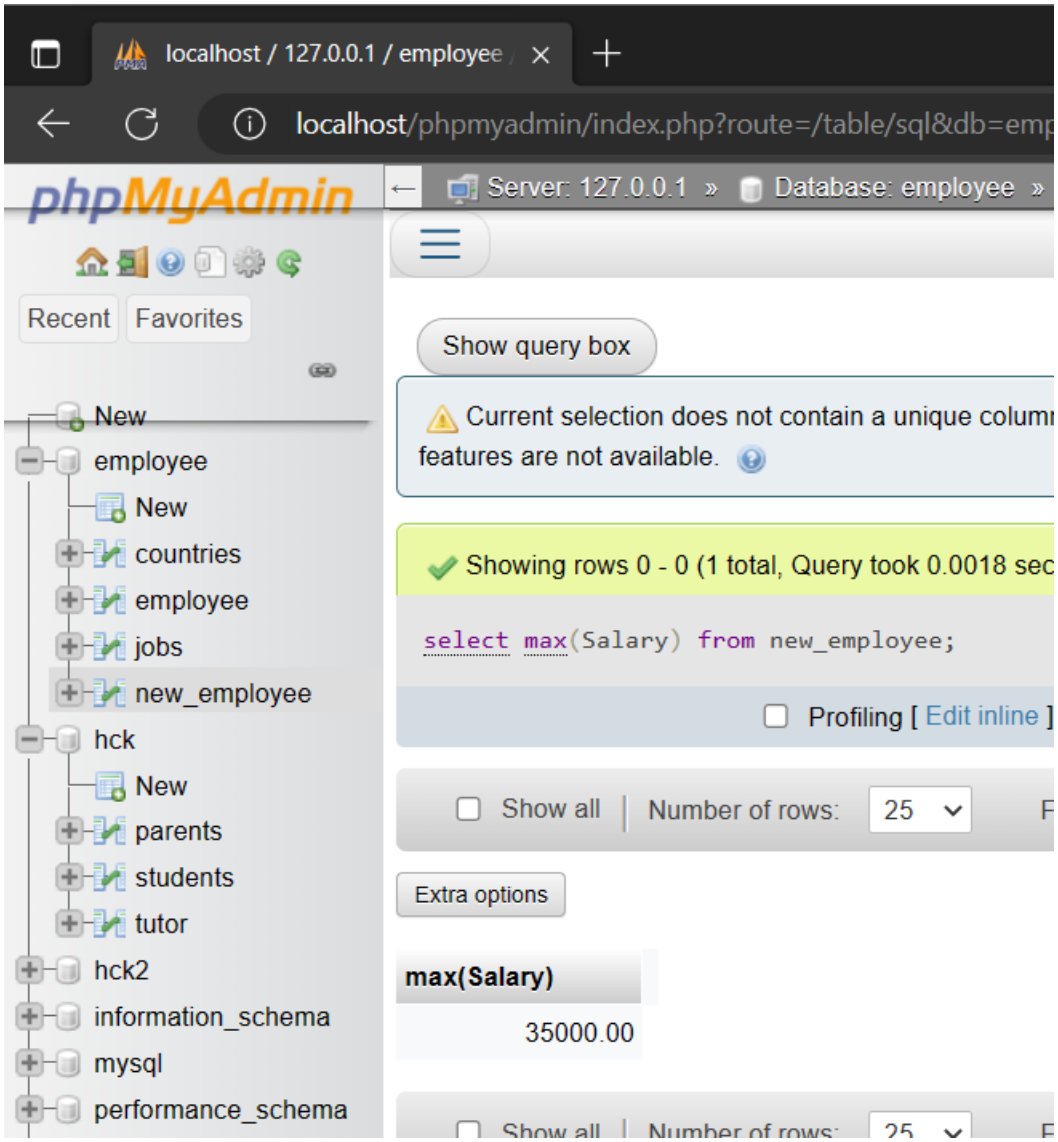


d) Display all the records where Emp_id is less than or equal to 4.
Select * from Employee where id =4 or id <4;

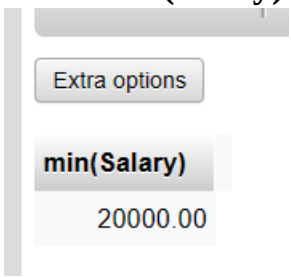


e) Display minimum, maximum, average, total sum salary from above table respectively.

select max(salary) from emp;



select min(salary) from emp;



select avg(salary) from emp;

avg(Salary)
25714.285714

select sum(salary) from emp;

sum(Salary)
180000.00

f) Change the column name Name as Emp_Fname.
Alter table Employee rename column name to emp_name;

	Emp_id	Emp_Fname	Dep_id	Job_title	Salary
Edit Copy Delete	1	Ajit Kumar	18	Engineer	25000.00
Edit Copy Delete	2	Ujjwal	5	Programmer	32000.00
Edit Copy Delete	3	Ram Prashad	5	Supervisor	23000.00
Edit Copy Delete	4	Jyotirma	18	Receptionist	20000.00
Edit Copy Delete	5	Kanchan	5	Programmer	21000.00
Edit Copy Delete	6	Daya	3	Manager	35000.00
Edit Copy Delete	7	Samip	18	Supervisor	24000.00

g) Count inserted row using SQL statement.
Select count(salary) from emp;

count(Salary)
7

h) Update Emp_id 5 salary to 28000.00.
Update emp
Set salary=28000
Where id =1;

	Emp_id	Emp_Fname	Dep_id	Job_title	Salary
Edit Copy Delete	1	Ajit Kumar	18	Engineer	28000.00
Edit Copy Delete	2	Ujjwal	5	Programmer	32000.00
Edit Copy Delete	3	Ram Prashad	5	Supervisor	23000.00
Edit Copy Delete	4	Jyotirma	18	Receptionist	20000.00
Edit Copy Delete	5	Kanchan	5	Programmer	21000.00
Edit Copy Delete	6	Daya	3	Manager	35000.00
Edit Copy Delete	7	Samip	18	Supervisor	24000.00

i) Increse all the employee's salary by five thousand named as New_salary and display all the records from table.

Alter table Employee rename column salary to new_salary;
Update Employee
Set new_salary =New_salary+5000
Where emp_id<10;

	Emp_id	Emp_Fname	Dep_id	Job_title	new_salary
Edit Copy Delete	1	Ajit Kumar	18	Engineer	33000.00
Edit Copy Delete	2	Ujjwal	5	Programmer	37000.00
Edit Copy Delete	3	Ram Prashad	5	Supervisor	28000.00
Edit Copy Delete	4	Jyotirma	18	Receptionist	25000.00
Edit Copy Delete	5	Kanchan	5	Programmer	26000.00
Edit Copy Delete	6	Daya	3	Manager	40000.00
Edit Copy Delete	7	Samip	18	Supervisor	29000.00