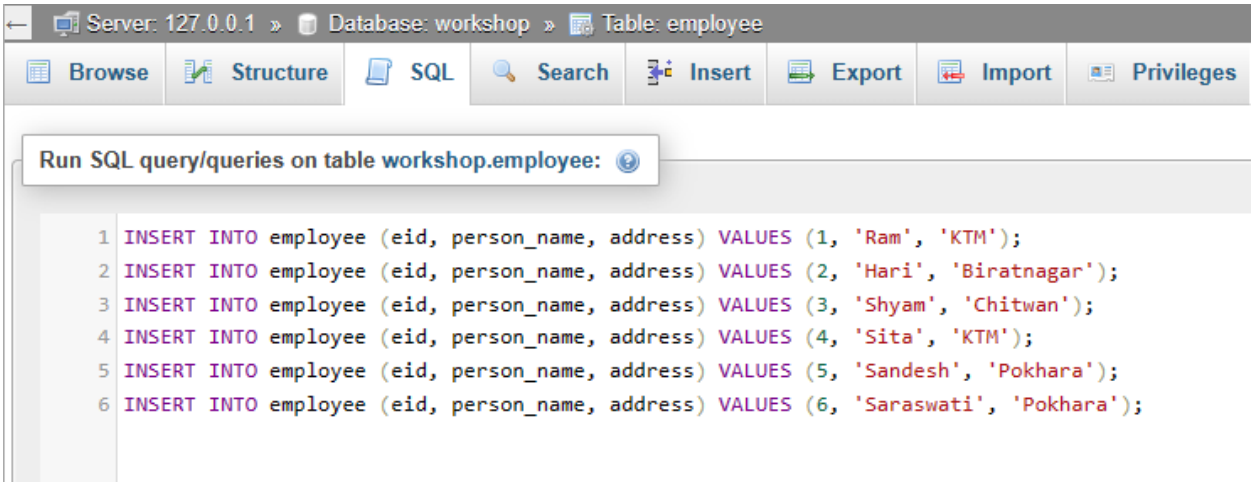
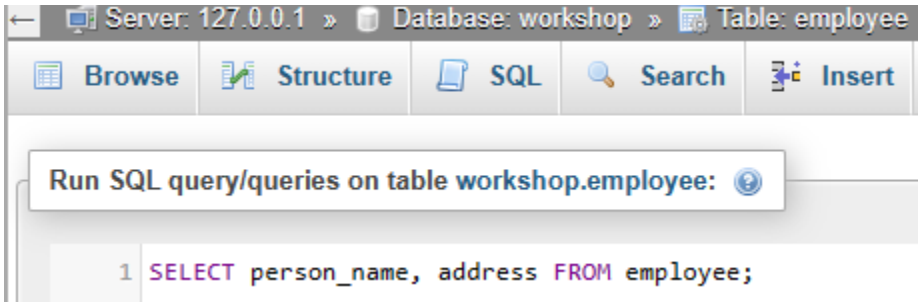
Instruction: Attempt all the questions

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

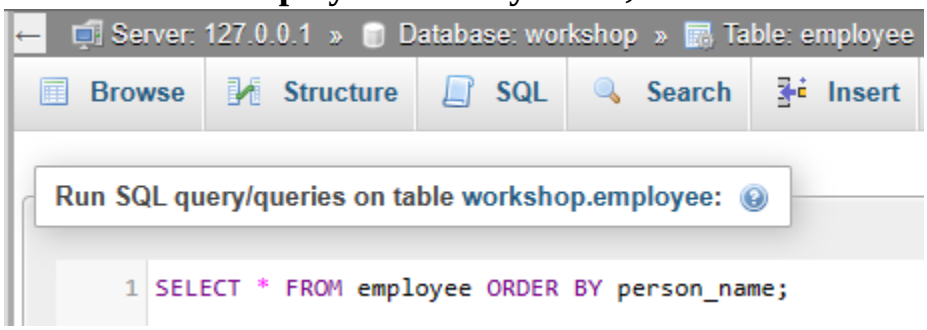


a) Display all records except Eid.
   Select name, address from Employee;



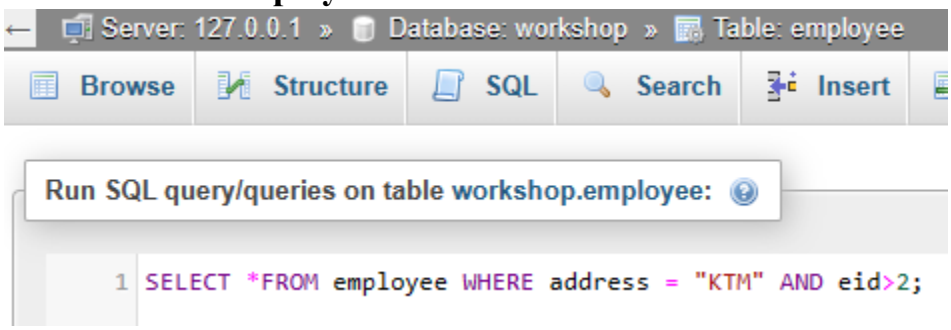
person_name	address
Ram	KTM
Hari	Biratnagar
Shyam	Chitwan
Sita	KTM
Sandesh	Pokhara
Saraswati	Pokhara

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



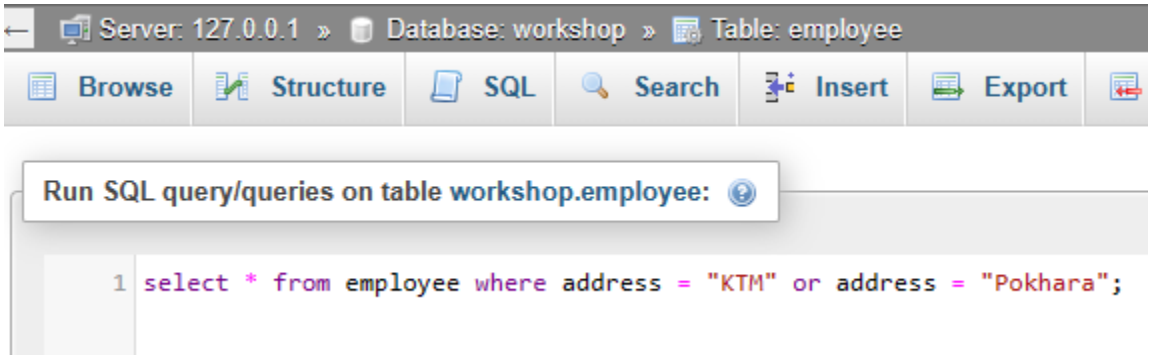
eid	person_name ▲ 1	address
2	Hari	Biratnagar
1	Ram	KTM
5	Sandesh	Pokhara
6	Saraswati	Pokhara
3	Shyam	Chitwan
4	Sita	KTM

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



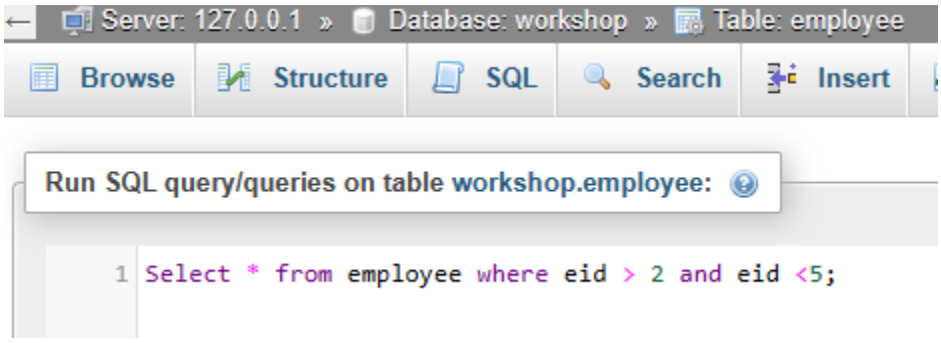
eid	person_name	address
4	Sita	KTM

d) Write a query to display the name who lives either in ktm OR Pokhara.
select * from Employee where address =”Kathmandu ” or address=”Pokhara”;



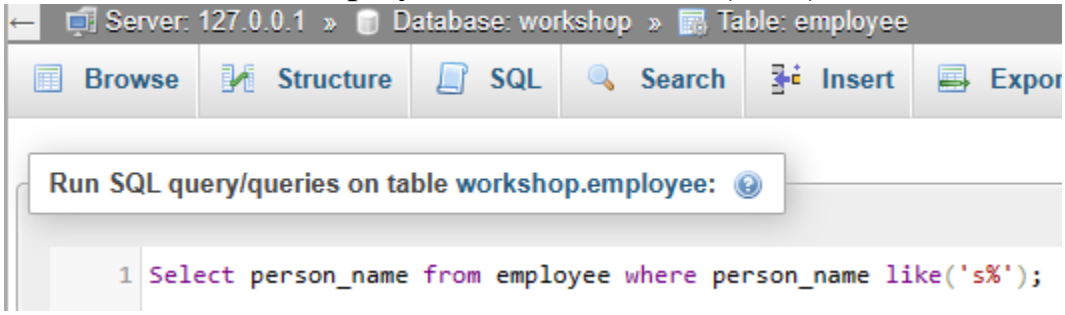
eid	person_name	address
1	Ram	KTM
4	Sita	KTM
5	Sandesh	Pokhara
6	Saraswati	Pokhara

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



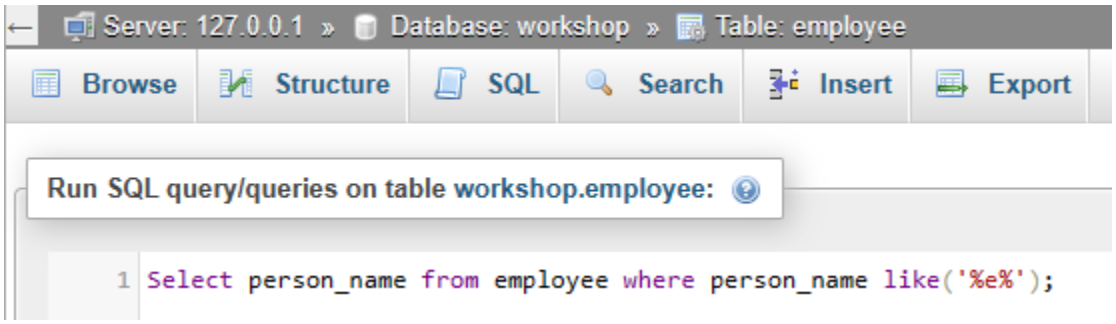
eid	person_name	address
3	Shyam	Chitwan
4	Sita	KTM

f) List the Name of Employee whose name start with letter 'S'.
Select name from Employee where name like('s%');



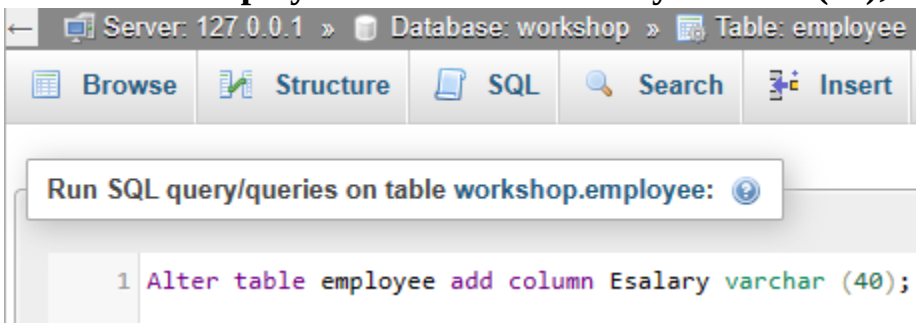
person_name
Shyam
Sita
Sandesh
Saraswati

g) List the Name of Employee whose name containing letter 'e'.
Select name from Employee where name like('%e%');



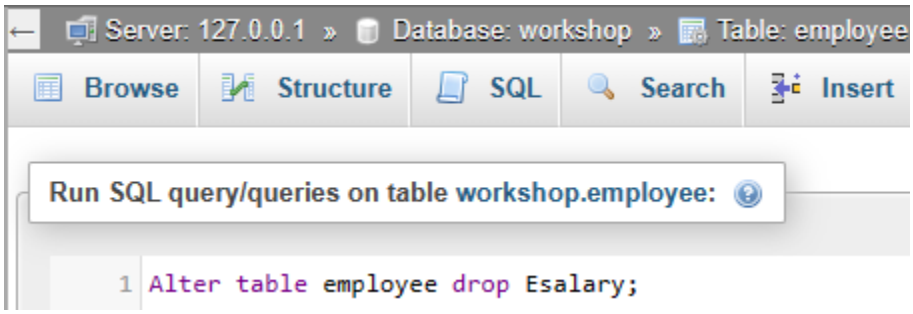
person_name
Sandesh

h) Add a new column Esalary in the table Employee after Address field.
Alter table Employee add column Esalary varchar (40);



eid	person_name	address	Esalary
1	Ram	KTM	*NULL*
2	Hari	Biratnagar	*NULL*
3	Shyam	Chitwan	*NULL*
4	Sita	KTM	*NULL*
5	Sandesh	Pokhara	*NULL*
6	Saraswati	Pokhara	*NULL*

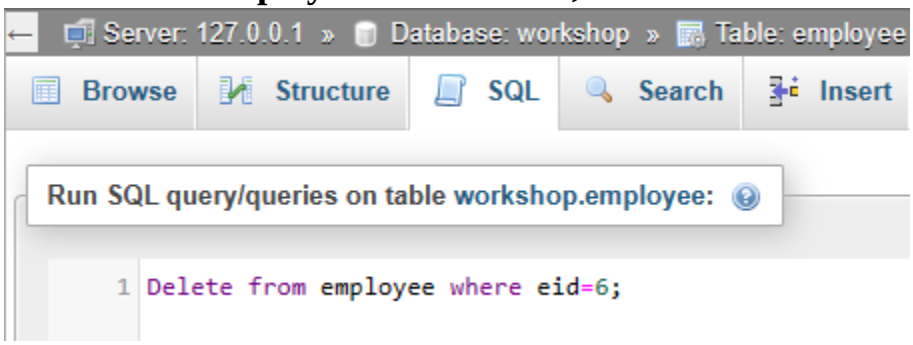
i) After that, delete Esalary field.
Alter table Employee drop Esalary;



eid	person_name	address
1	Ram	KTM
2	Hari	Biratnagar
3	Shyam	Chitwan
4	Sita	KTM
5	Sandesh	Pokhara
6	Saraswati	Pokhara

j) Delete all the records of Eid 6.

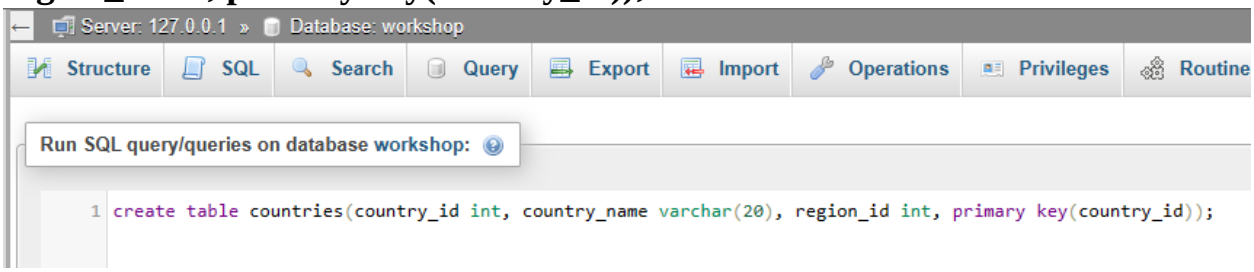
Delete form Employee where Eid=6;

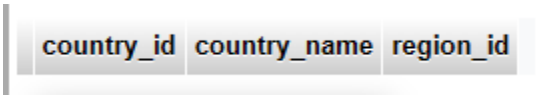


eid	person_name	address
1	Ram	KTM
2	Hari	Biratnagar
3	Shyam	Chitwan
4	Sita	KTM
5	Sandesh	Pokhara

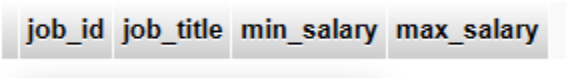
2. Write a SQL statement to create a table "**countries"** including columns country_id, country_name and region_id and make sure that the column country_id will be unique and store an auto incremented value.

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





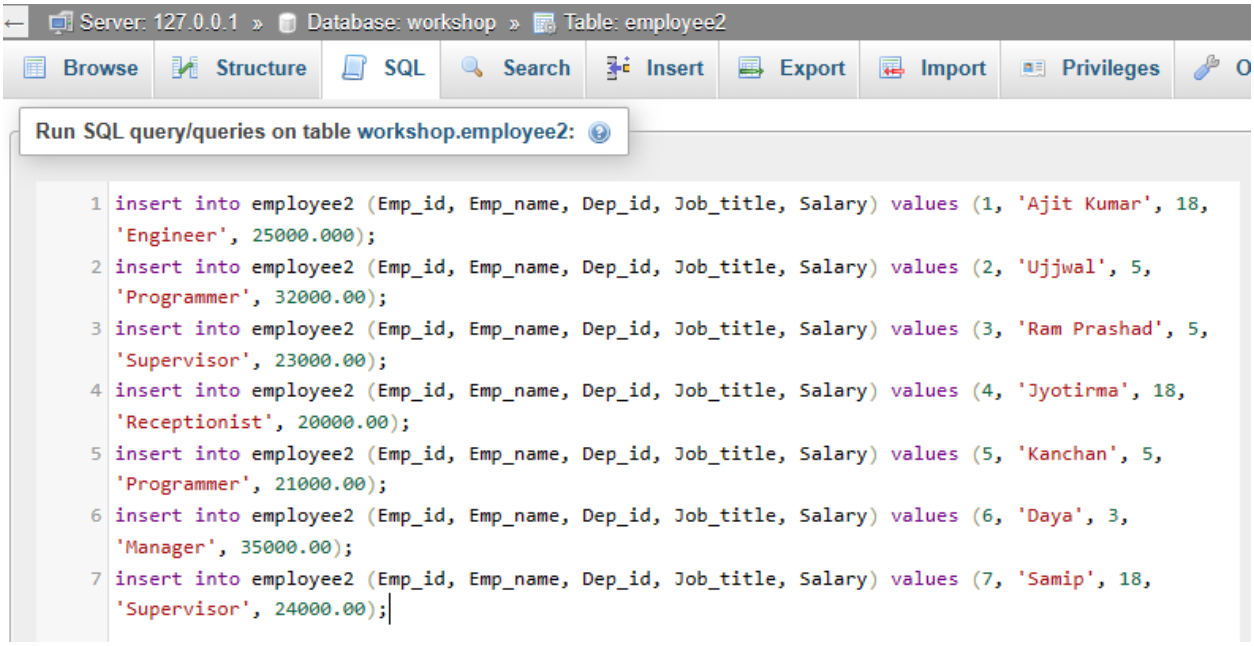
3. Write a SQL statement to create a table named **Jobs** including columns job_id, job_title, min_salary and max_salary, and make sure that, the default value for job_title is blank and min_salary is 8000 and max_salary is NULL will be entered automatically at the time of insertion if no value assigned 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:

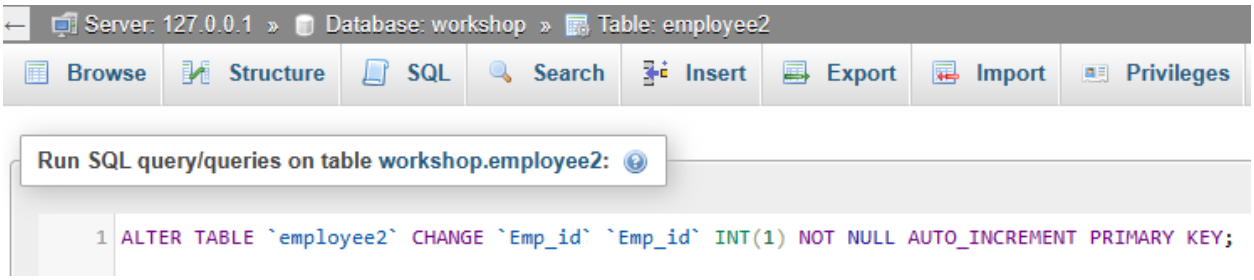
Emp_id	Name	Dep_id	Job_title	Salary

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

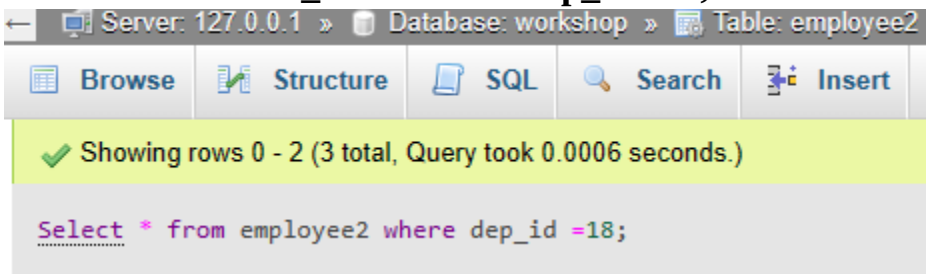


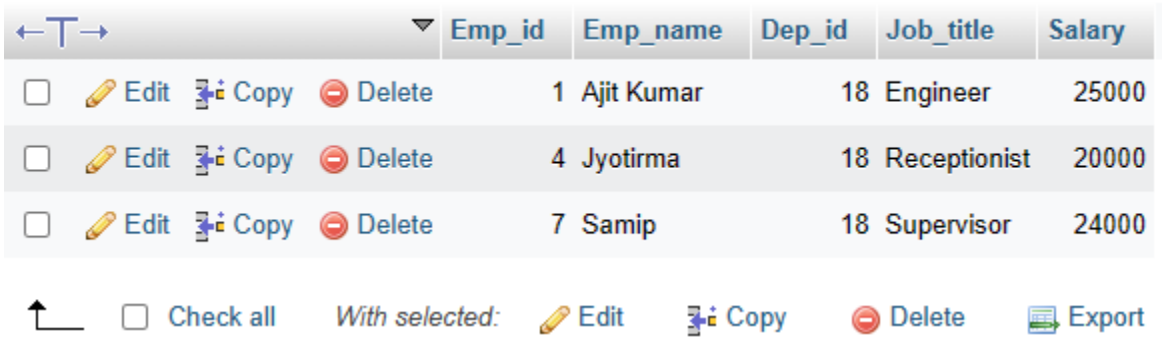
Emp_id	Emp_name	Dep_id	Job_title	Salary
1	Ajit Kumar	18	Engineer	25000
2	Ujjwal	5	Programmer	32000
3	Ram Prashad	5	Supervisor	23000
4	Jyotirma	18	Receptionist	20000
5	Kanchan	5	Programmer	21000
6	Daya	3	Manager	35000
7	Samip	18	Supervisor	24000

a) Write SQL statement for Emp_id using not null auto_increment.
ALTER TABLE `employee2` CHANGE `Emp_id` `Emp_id` INT(1) NOT NULL AUTO_INCREMENT;

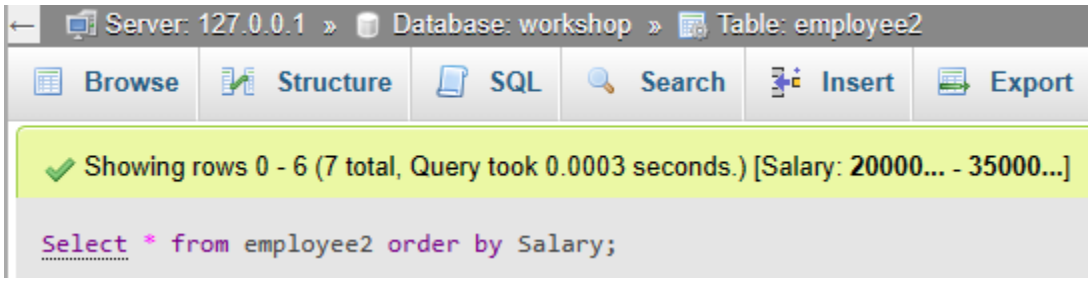


b) Display all the records from field Dep_id 18.
Select * from table_name where dep_id =18;



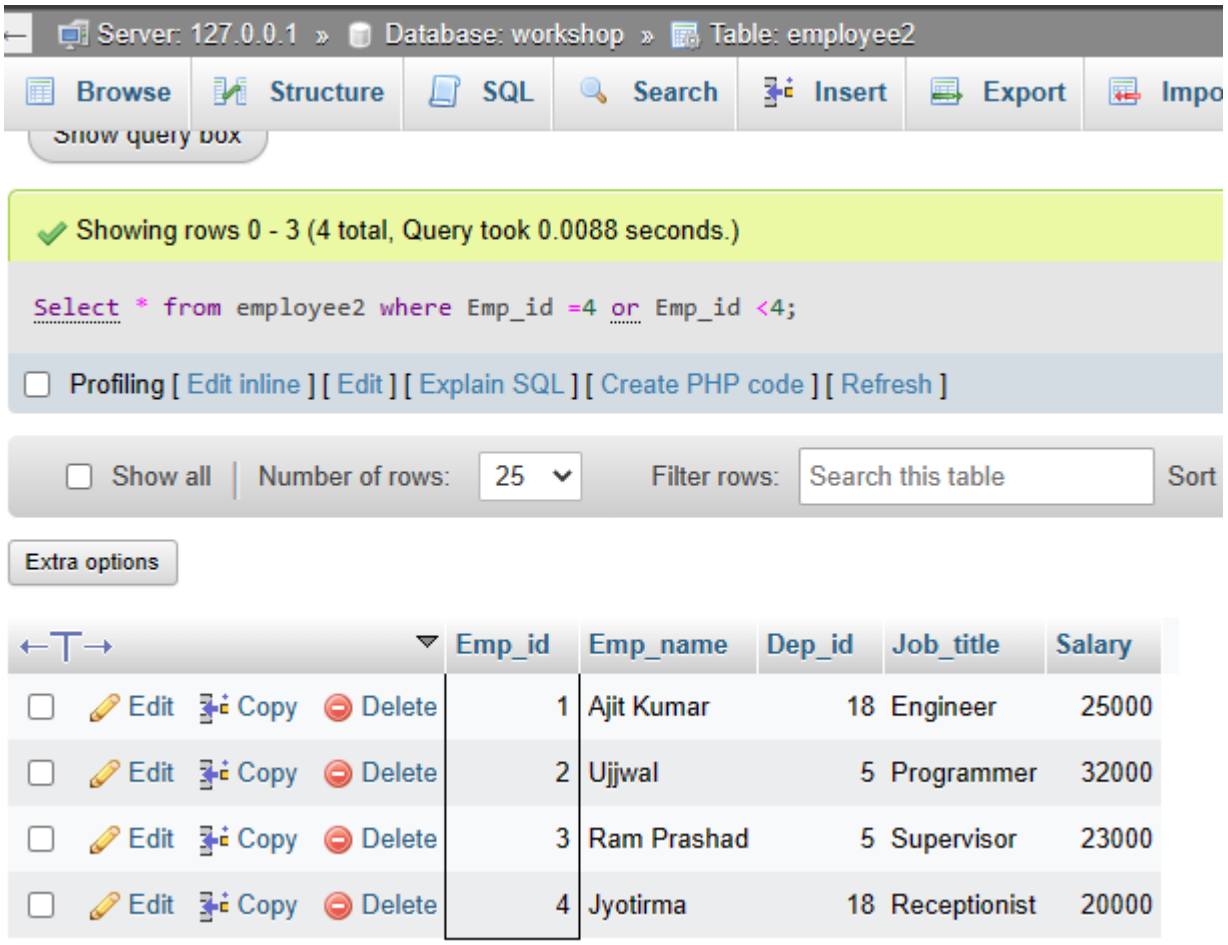


c) Display Emp_id, Name and Salary of all employee's in ascending order of Salary.
Select * from Employee order by salary;



	Emp_id	Emp_name	Dep_id	Job_title	Salary
Edit Copy Delete	4	Jyotirma	18	Receptionist	20000
Edit Copy Delete	5	Kanchan	5	Programmer	21000
Edit Copy Delete	3	Ram Prashad	5	Supervisor	23000
Edit Copy Delete	7	Samip	18	Supervisor	24000
Edit Copy Delete	1	Ajit Kumar	18	Engineer	25000
Edit Copy Delete	2	Ujjwal	5	Programmer	32000
Edit Copy Delete	6	Daya	3	Manager	35000

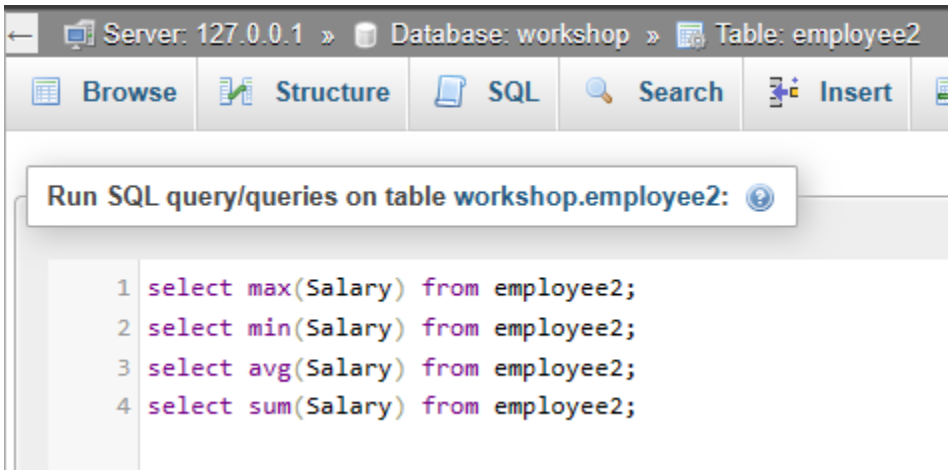
d) Display all the records where Emp_id is less than or equal to 4.
Select * from Employee where id =4 or id <4;



	Emp_id	Emp_name	Dep_id	Job_title	Salary
Edit Copy Delete	1	Ajit Kumar	18	Engineer	25000
Edit Copy Delete	2	Ujjwal	5	Programmer	32000
Edit Copy Delete	3	Ram Prashad	5	Supervisor	23000
Edit Copy Delete	4	Jyotirma	18	Receptionist	20000

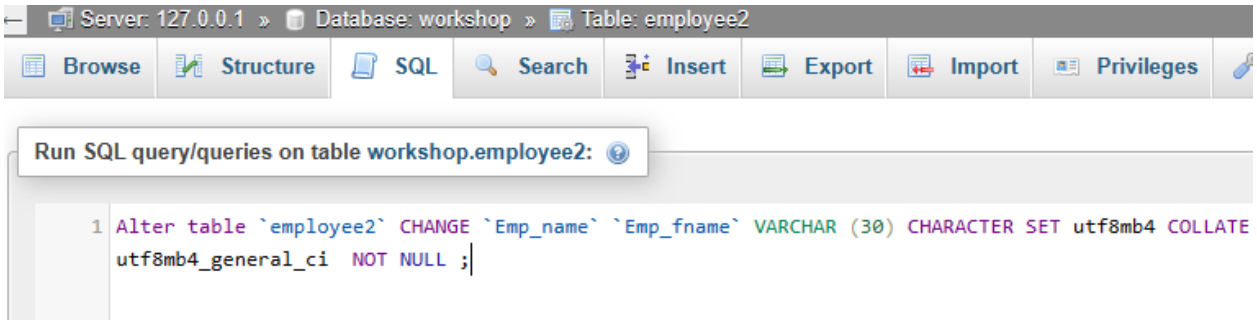
e) Display minimum, maximum, average, total sum salary from above table respectively.

select max(salary) from emp;
select min(salary) from emp;
select avg(salary) from emp;
select sum(salary) from emp;



max(Salary)
35000

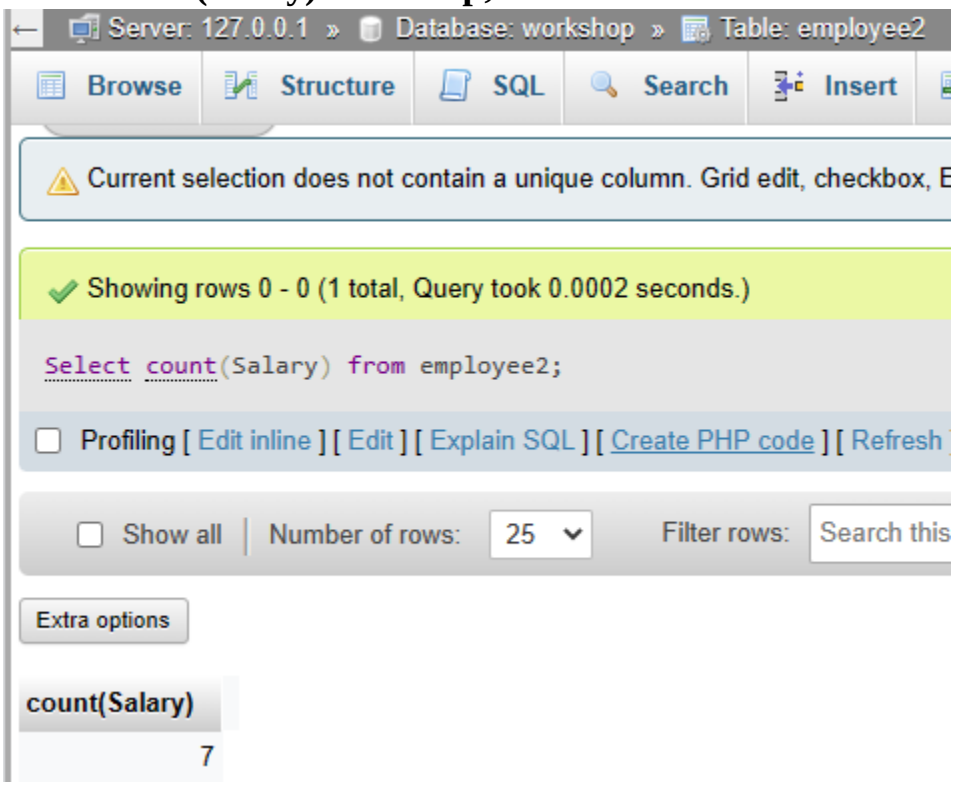
f) Change the column name Name as Emp_Fname.
Alter table Employee rename column name to emp_name;



	Emp_id	Emp_fname	Dep_id	Job_title	Salary
Edit Copy Delete	1	Ajit Kumar	18	Engineer	25000
Edit Copy Delete	2	Ujjwal	5	Programmer	32000
Edit Copy Delete	3	Ram Prashad	5	Supervisor	23000
Edit Copy Delete	4	Jyotirma	18	Receptionist	20000
Edit Copy Delete	5	Kanchan	5	Programmer	21000
Edit Copy Delete	6	Daya	3	Manager	35000
Edit Copy Delete	7	Samip	18	Supervisor	24000

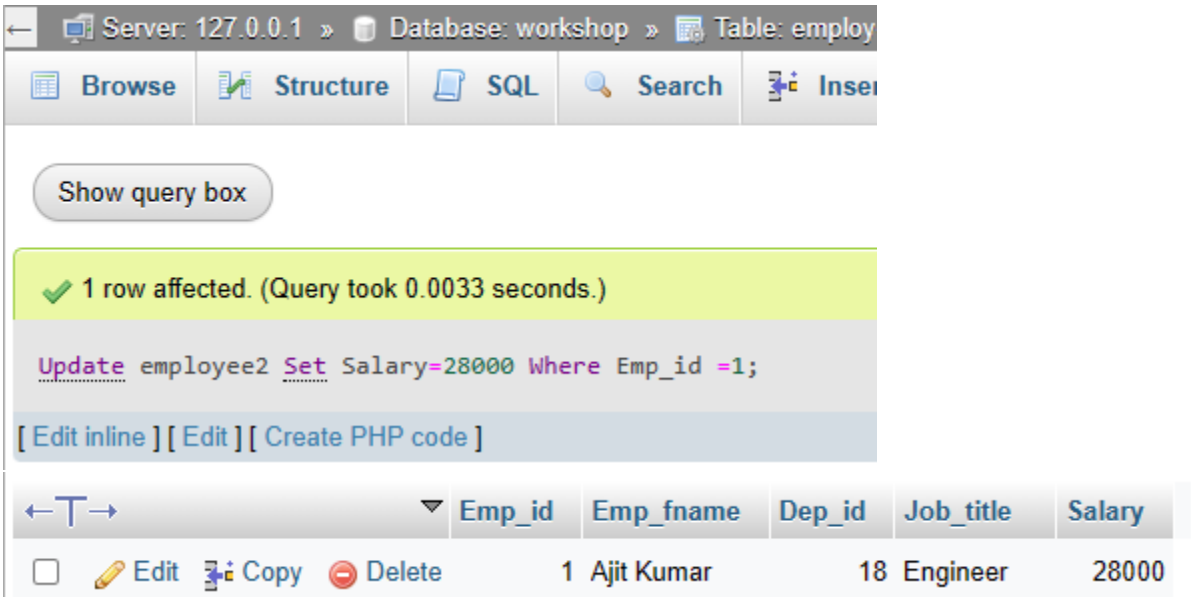
g) Count inserted row using SQL statement.

Select count(salary) from emp;



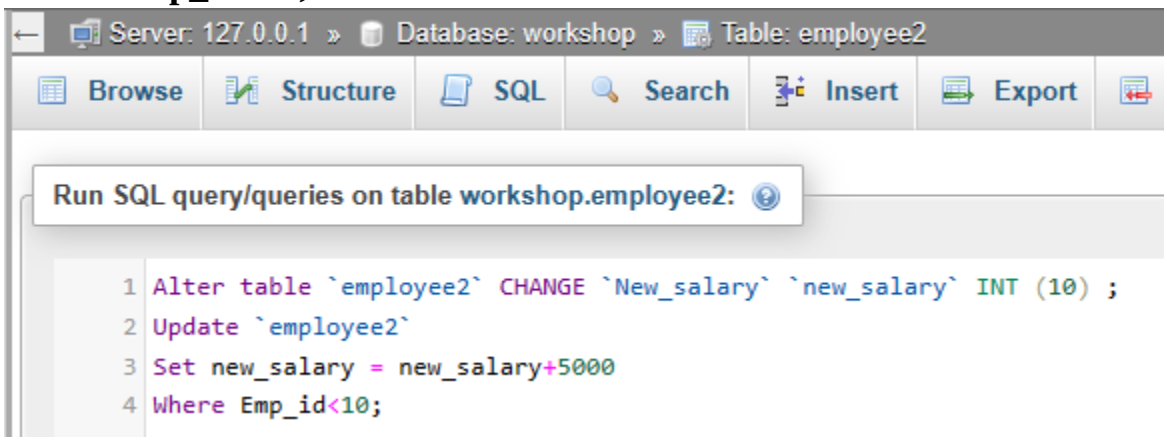
h) Update Emp_id 5 salary to 28000.00.

Update emp
Set salary=28000
Where id =1;



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	38000
Edit Copy Delete	2	Ujjwal	5	Programmer	42000
Edit Copy Delete	3	Ram Prashad	5	Supervisor	33000
Edit Copy Delete	4	Jyotirma	18	Receptionist	30000
Edit Copy Delete	5	Kanchan	5	Programmer	31000
Edit Copy Delete	6	Daya	3	Manager	45000
Edit Copy Delete	7	Samip	18	Supervisor	34000