**Database Assignment**

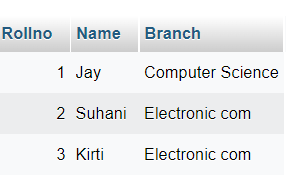
**Task**

**(1). Create Table Name : Student and Exam…**

* **Create Table Name : Student**
* CREATE TABLE student(rollno int primary key, name varchar(250), branch varchar(250));



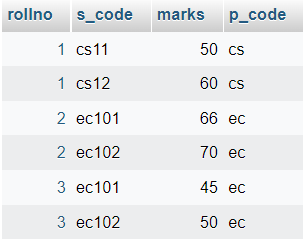
* INSERT INTO student values('1','Jay','Computer Science');

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* **Create Table Name : Exam**
* CREATE TABLE exam(rollno int foreign key ,s\_code varchar(55),marks float, p\_code varchar (55));



* INSERT INTO exam(rollno,s\_code,marks,p\_code)VALUES('1','cs12','60','cs')

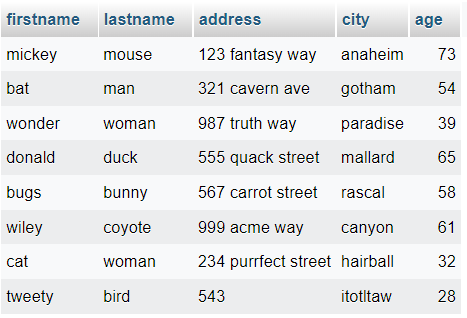


**(2). Create table given below…**

* **Create Table Name : Detail**
* CREATE TABLE detail(firstname varchar(250),lastname varchar(250),address varchar(250),city varchar(250), age int);



* INSERT INTO detail (firstname,lastname,address,city,age)VALUES('mickey','mouse','123 fantasy way','anaheim','73');



**(3). Create table given below: Employee and Incentive…**

* **Create Table Name : Employee**
* CREATE TABLE employee(employee\_id int,first\_name varchar(250),last\_name varchar(250),salary float,joining\_date date,department varchar(250));

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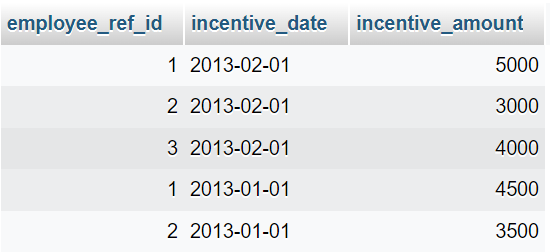
* INSERT INTO employee (employee\_id,first\_name,last\_name,salary,joining\_date,department)values ('1','john','abraham','1000000','13-01-01','banking');



* **Create Table Name : Incentive**
* CREATE TABLE incentive(employee\_ref\_id int,incentive\_date date,incentive\_amount float);

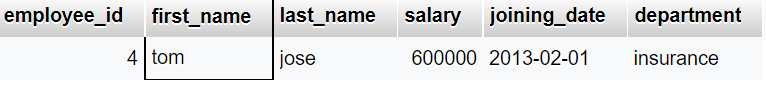


* INSERT INTO incentive (employee\_ref\_id,incentive\_date,incentive\_amount)values('1','13-02-01','5000');



1. **Get First\_Name from employee table using Tom name “Employee Name”.**

* SELECT \*from employee WHERE first\_name='tom';



1. **Get FIRST\_NAME, Joining Date, and Salary from employee table.**

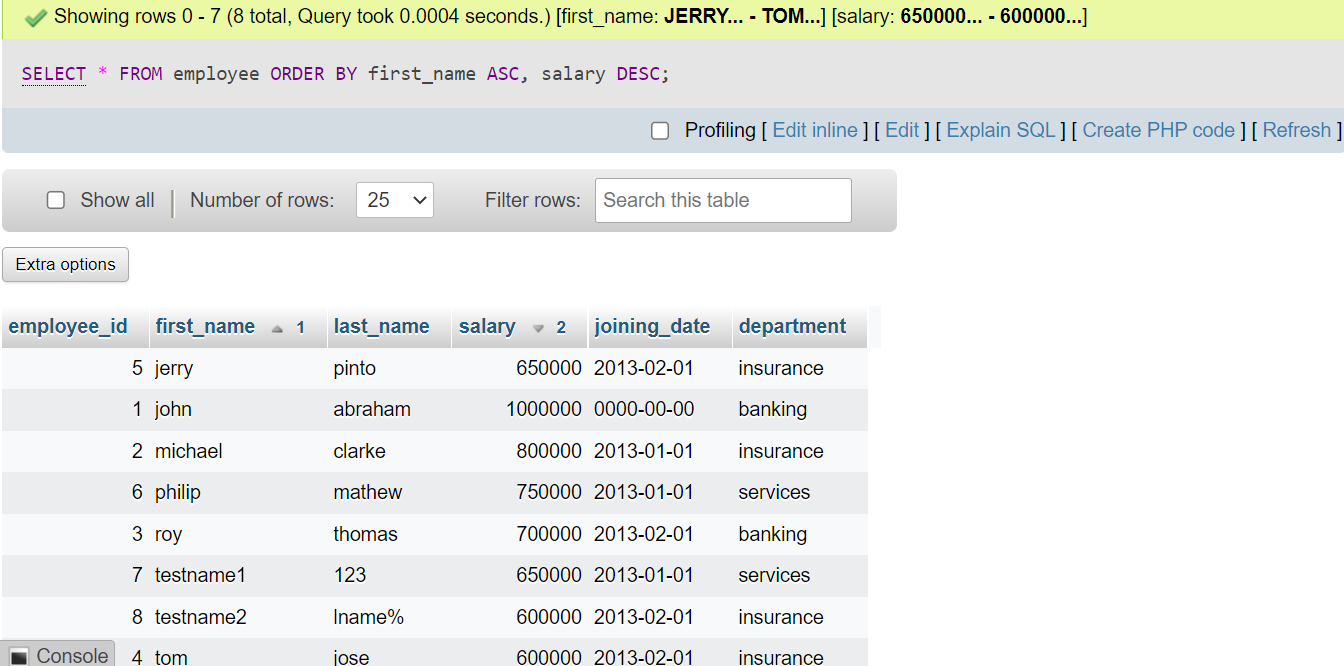
* select first\_name,joining\_date,salary FROM employee;



1. **Get all employee details from the employee table order by First\_Name Ascending and Salary descendin**g?

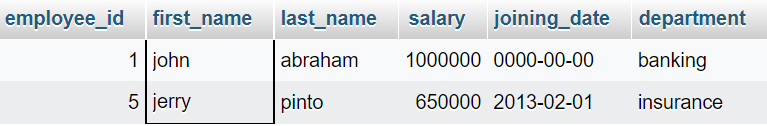
* SELECT \* FROM employee

ORDER BY first\_name ASC, salary DESC;



1. **Get employee details from employee table whose first name contains ‘J’.**

* SELECT \*FROM employee WHERE first\_name LIKE '%j%';

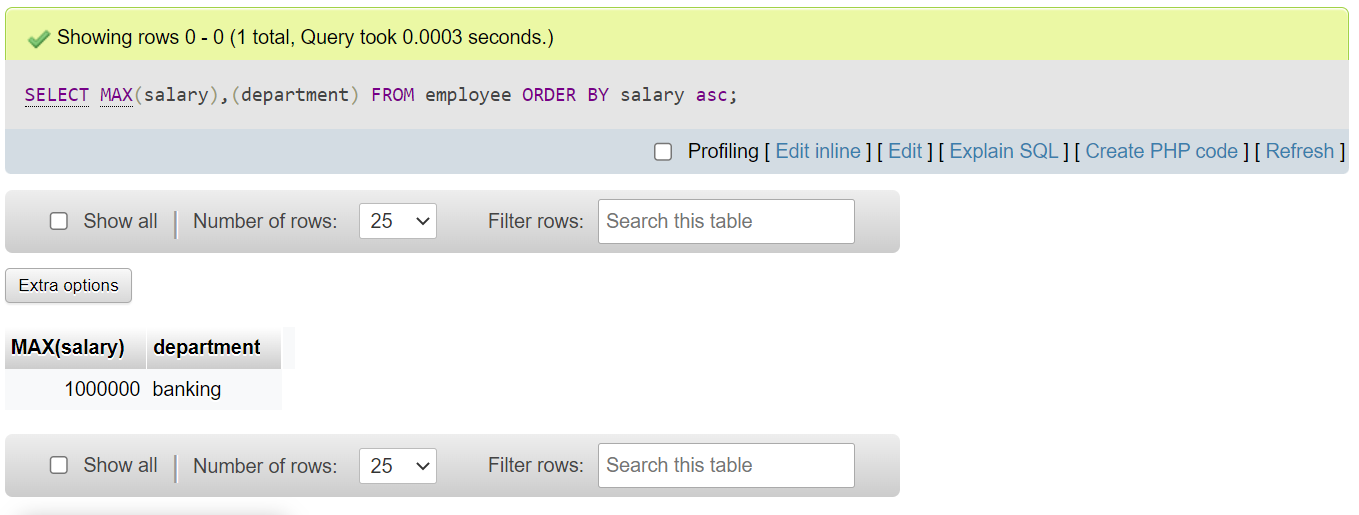


1. **Get department wise maximum salary from employee table order by salary ascending?**

* SELECT MAX(salary),(department)

FROM employee

ORDER BY salary asc;



1. **Select first\_name, incentive amount from employee and incentives table for those employees who have incentives and incentive amount greater than 3000.**

* SELECT first\_name,incentive\_amount

FROM employee

Inner join incentive on employee\_id = employee\_ref\_id and incentive\_amount>3000;



1. **Create After Insert trigger on Employee table which insert records in view table.**

* CREATE TRIGGER after\_insert

ON employee

AFTER INSERT

AS

BEGIN

INSERT INTO employee\_emp(emp\_id,insert\_time)VALUE (new.emp\_id,current\_time());

END

**(4.) Create table given below: Salesperson and Customer …**

* **Create Table Name : Salesperson**
* Create table salesperson(sno int primary key,sname varchar(250),city varchar(250),comm varchar(250));

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* INSERT INTO salesperson(sno,sname,city,comm)VALUES('1001','peel','london','.12');

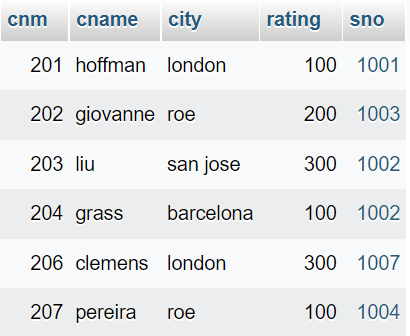
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* **Create Table Name : Customer**
* CREATE TABLE customer (cnm int PRIMARY KEY,cname varchar(55),city varchar(55),rating INT,sno INT);



* Insert into customer

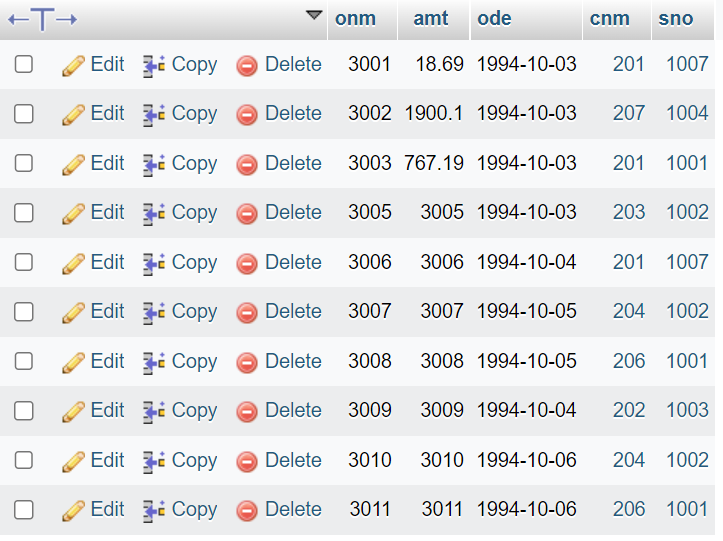
(cnm,cname,city,rating,sno)values('201','hoffman','london','100','1001');



* **Create Table Name : Order**
* CREATE TABLE oder(onm int primary key,amt float, ode date , FOREIGN KEY (cnm)REFERENCES customer (cnm) , FOREIGN KEY (sno) REFERENCES salesperson (sno));



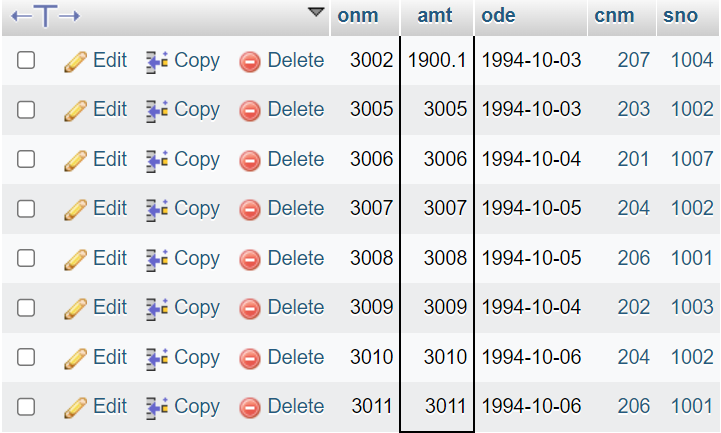
* INSERT INTO oder(onm,amt,ode,cnm,sno)VALUES('3001','18.69','1994-10-03','201','1007');



* **Retrieve the below data from above table…**

1. **All orders for more than $1000.**

* Select \* from orders where Amt>1000;



1. **Names and cities of all salespeople in London with commission above 0.12.**

* SELECT sname,city

FROM salesperson

WHERE city = 'london' and comm >=0.12;

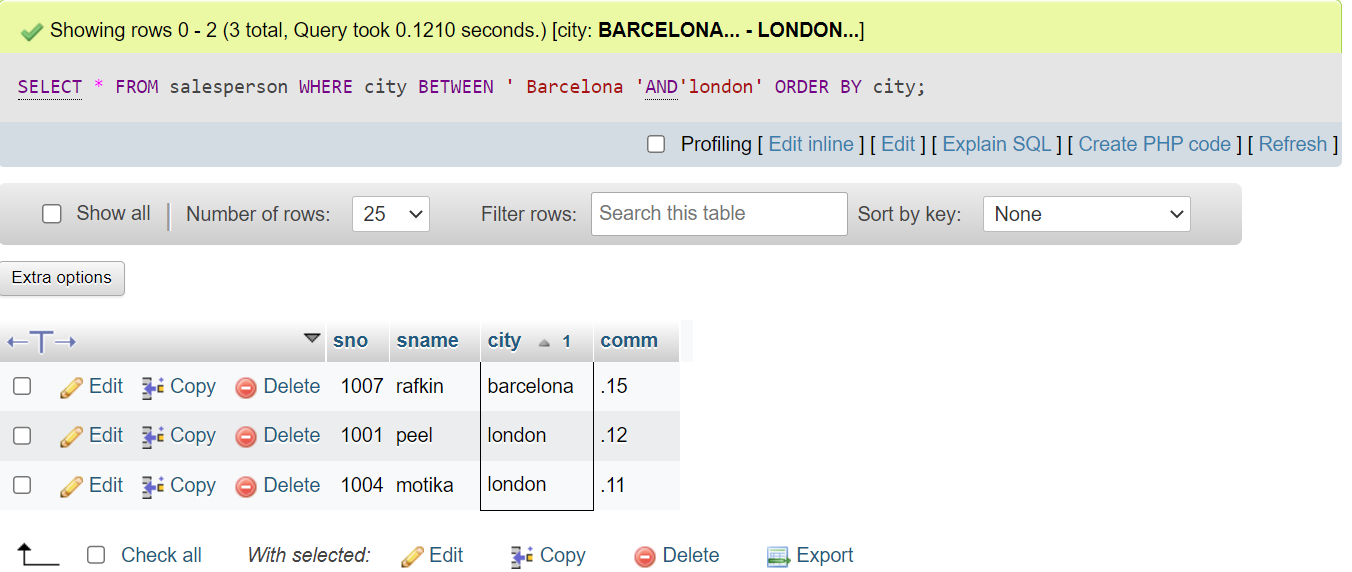


1. **All salespeople either in Barcelona or in London.**

* SELECT \* FROM salesperson

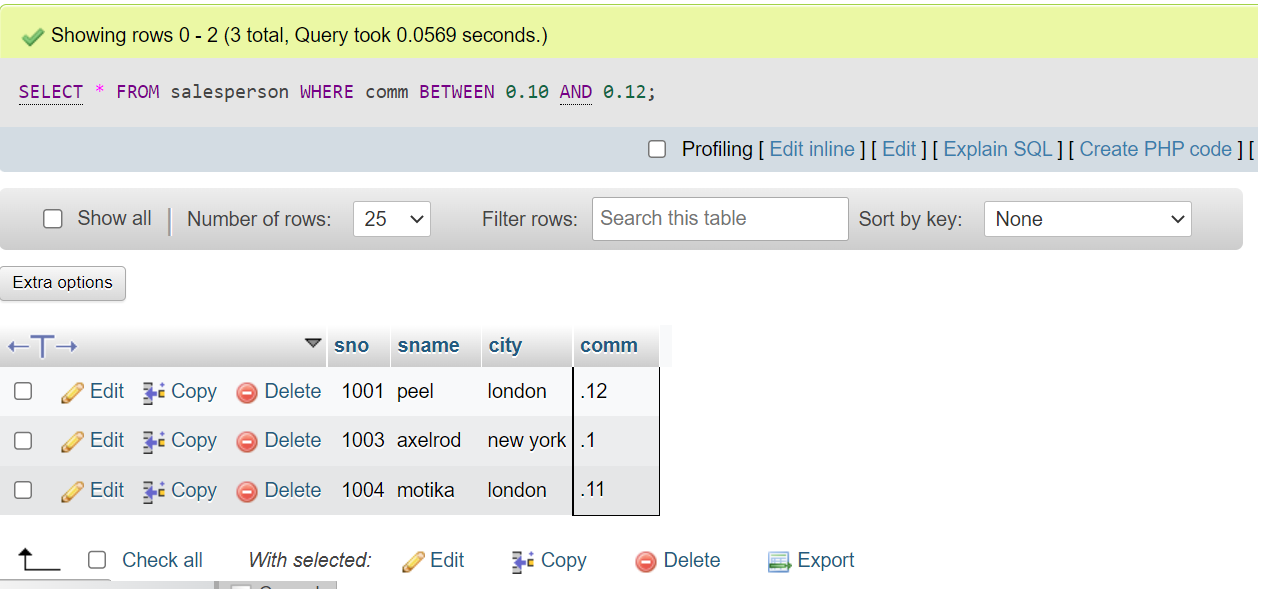
WHERE city BETWEEN ' Barcelona 'AND'london'

ORDER BY city;



1. **All salespeople with commission between 0.10 and 0.12. (Boundary values should be excluded).**

* SELECT \* FROM salesperson WHERE comm BETWEEN 0.10 AND 0.12;



1. **All customers excluding those with rating <= 100 unless they are located in Rome.**

* SELECT \*

FROM customer

WHERE rating <=100 and city='roe';

