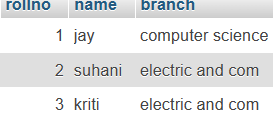
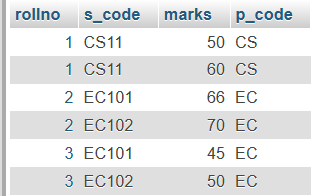
1. Create Table Name : Student and Exam





CREATE TABLE student(rollno int(4) NOT null AUTO\_INCREMENT PRIMARY KEY,name varchar(30),branch varchar(70));

INSERT INTO student(name,branch) VALUES ('jay','computer science'),('suhani','electric and com'),('kriti','electric and com');

CREATE TABLE exam(rollno int(7) NOT null,s\_code varchar(5),marks int(2),p\_code varchar(7),FOREIGN KEY(rollno) REFERENCES student(rollno));

INSERT INTO `exam` (`rollno`, `s\_code`, `marks`, `p\_code`) VALUES ('1', 'CS11', '50', 'CS');

INSERT INTO `exam` (`rollno`, `s\_code`, `marks`, `p\_code`) VALUES ('1', 'CS11', '60', 'CS');

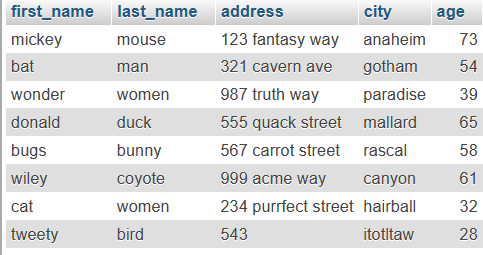
INSERT INTO `exam` (`rollno`, `s\_code`, `marks`, `p\_code`) VALUES ('2', 'EC101', '66', 'EC');

INSERT INTO `exam` (`rollno`, `s\_code`, `marks`, `p\_code`) VALUES ('2', 'EC102', '70', 'EC');

INSERT INTO `exam` (`rollno`, `s\_code`, `marks`, `p\_code`) VALUES ('3', 'EC101', '45', 'EC');

INSERT INTO `exam` (`rollno`, `s\_code`, `marks`, `p\_code`) VALUES ('3', 'EC102', '50', 'EC');

2. Create table given below



CREATE TABLE TASK2(first\_name varchar(20),last\_name varchar(20),address varchar(30),city varchar(20),age int(15));

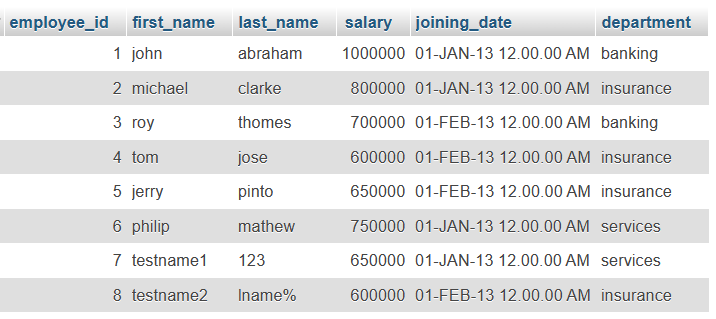
INSERT INTO `task2` (`first\_name`, `last\_name`, `address`, `city`, `age`) VALUES ('mickey', 'mouse', '123 fantasy way', 'anaheim', '73'), ('bat', 'man', '321 cavern ave', 'gotham', '54');

INSERT INTO `task2` (`first\_name`, `last\_name`, `address`, `city`, `age`) VALUES ('wonder', 'women', '987 truth way', 'paradise', '39'), ('donald', 'duck', '555 quack street', 'mallard', '65');

INSERT INTO `task2` (`first\_name`, `last\_name`, `address`, `city`, `age`) VALUES ('bugs', 'bunny', '567 carrot street', 'rascal', '58'), ('wiley', 'coyote', '999 acme way', 'canyon', '61');

INSERT INTO `task2` (`first\_name`, `last\_name`, `address`, `city`, `age`) VALUES ('cat', 'women', '234 purrfect street', 'hairball', '32'), ('tweety', 'bird', '543', 'itotltaw', '28');

3. Create table given below: Employee and Incentive



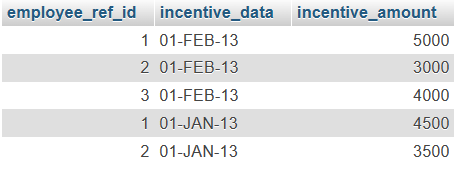
CREATE TABLE employee(employee\_id int(9) NOT null PRIMARY KEY AUTO\_INCREMENT,first\_name varchar(10),last\_name varchar(10),salary int(9),joining\_date varchar(50),department varchar(20));

INSERT INTO `employee` (`employee\_id`, `first\_name`, `last\_name`, `salary`, `joining\_date`, `department`) VALUES ('1', 'john', 'abraham', '1000000', '01-JAN-13 12.00.00 AM', 'banking'), (2, 'michael', 'clarke', '800000', '01-JAN-13 12.00.00 AM', 'insurance');

INSERT INTO `employee` (`employee\_id`, `first\_name`, `last\_name`, `salary`, `joining\_date`, `department`) VALUES (3, 'roy', 'thomes', '700000', '01-FEB-13 12.00.00 AM', 'banking'), (4, 'tom', 'jose', '600000', '01-FEB-13 12.00.00 AM', 'insurance');

INSERT INTO `employee` (`employee\_id`, `first\_name`, `last\_name`, `salary`, `joining\_date`, `department`) VALUES (5, 'jerry', 'pinto', '650000', '01-FEB-13 12.00.00 AM', 'insurance'), (6, 'philip', 'mathew', '750000', '01-JAN-13 12.00.00 AM', 'services');

INSERT INTO `employee` (`employee\_id`, `first\_name`, `last\_name`, `salary`, `joining\_date`, `department`) VALUES ('7', 'testname1', '123', '650000', '01-JAN-13 12.00.00 AM', 'services'), ('8', 'testname2', 'lname%', '600000', '01-FEB-13 12.00.00 AM', 'insurance');



incentive

CREATE TABLE incentive(employee\_ref\_id int(6),incentive\_data varchar(60),incentive\_amount int(5));

INSERT INTO `incentive` (`employee\_ref\_id`, `incentive\_data`, `incentive\_amount`) VALUES ('1', '01-FEB-13', '5000'), ('2', '01-FEB-13', '3000');

INSERT INTO `incentive` (`employee\_ref\_id`, `incentive\_data`, `incentive\_amount`) VALUES ('3', '01-FEB-13', '4000'), ('1', '01-JAN-13', '4500');

INSERT INTO `incentive` (`employee\_ref\_id`, `incentive\_data`, `incentive\_amount`) VALUES ('2', '01-JAN-13', '3500');

a) Get First\_Name from employee table using Tom name “Employee Name”.

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

b) Get FIRST\_NAME, Joining Date, and Salary from employee table.

SELECT first\_name,joining\_date,salary FROM employee;

c) Get all employee details from the employee table order by First\_Name

Ascending and Salary descending?

SELECT \* FROM employee ORDER BY employee.first\_name ASC,employee.salary DESC;

note:- SELECT \* FROM employee ORDER BY employee.first\_name ASC;

SELECT \* FROM employee ORDER BY employee.salary DESC;

d) Get employee details from employee table whose first name contains ‘J’.

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

e) Get department wise maximum salary from employee table order by salary

ascending?

SELECT \* FROM employee ORDER BY salary ASC;

f) 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.employee\_id=incentive.employee\_ref\_id AND incentive\_amount>3000;

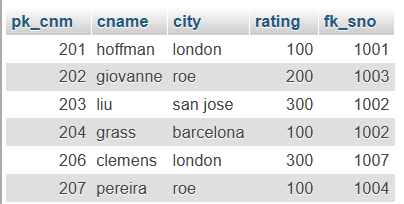
4. Create table given below: Salesperson and Customer



salesperson

CREATE TABLE salesperson(pk\_sno int(5),sname varchar(20),city varchar(20),comm varchar(10));

INSERT INTO salesperson(pk\_sno,sname,city,comm) VALUES (1001,'peel','london','.12'),(1002,'serres','sanjose','.13'),(1004,'motika','london','.11'),(1007,'rafkin','barcelona','.15'),(1003,'axelrod','.1');



customer

CREATE TABLE customer(pk\_cnm int(5),cname varchar(10),city varchar(10),rating int(4),pk\_sno int(6),PRIMARY KEY pk\_cnm,FOREIGN KEY pk\_sno REFERENCES salesperson pk\_sno);

INSERT INTO `customer` (`pk\_cnm`, `cname`, `city`, `rating`, `fk\_sno`) VALUES ('201', 'hoffman', 'london', '100', '1001'), ('202', 'giovanne', 'roe', '200', '1003');

INSERT INTO `customer` (`pk\_cnm`, `cname`, `city`, `rating`, `fk\_sno`) VALUES ('203', 'liu', 'san jose', '300', '1002'), ('204', 'grass', 'barcelona', '100', '1002');

INSERT INTO `customer` (`pk\_cnm`, `cname`, `city`, `rating`, `fk\_sno`) VALUES ('206', 'clemens', 'london', '300', '1007'), ('207', 'pereira', 'roe', '100', '1004');

Retrieve the below data from above table

SELECT \* FROM customer;

SELECT \* FROM salesperson;

a) All orders for more than $1000.

SELECT \* FROM customer WHERE fk\_sno > 1000;

b) Names and cities of all salespeople in London with commission above 0.12

SELECT sname,city,comm FROM salesperson WHERE comm>0.12 AND city='london';

c) All salespeople either in Barcelona or in London

SELECT sname,city FROM salesperson WHERE city IN ('barcelona','london');

d) All salespeople with commission between 0.10 and 0.12. (Boundary values

should be excluded).

SELECT sname , comm FROM salesperson WHERE comm > 0.10 AND comm < 0.12;

e) All customers excluding those with rating <= 100 unless they are located in

Rome

SELECT cname FROM customer WHERE rating <= 100 OR city = 'rome';