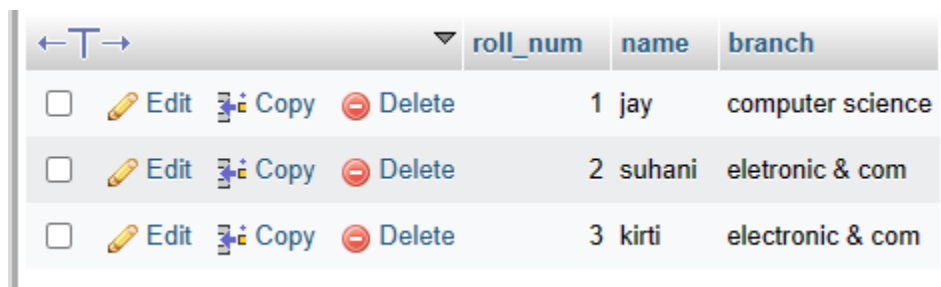# 1. create a table student.

1. CREATE TABLE student(roll_num int AUTO_INCREMENT,

name varchar(30),

branch varchar(30),

PRIMARY KEY (roll_num));

2. INSERT INTO student VALUES ('',"jay","computer science");

INSERT INTO student VALUES ('',"suhani","eletronic & com");

	roll_num	name	branch
☐ ✎ Edit ⌸ Copy ⊖ Delete	1	jay	computer science
☐ ✎ Edit ⌸ Copy ⊖ Delete	2	suhani	eletronic & com
☐ ✎ Edit ⌸ Copy ⊖ Delete	3	kirti	electronic & com

1.2. Create Table Exam

1. CREATE TABLE exam(s_code int AUTO_INCREMENT,

mark int,

p_code varchar(30),

roll_num int ,

FOREIGN KEY(roll_num) REFERENCES student(roll_num));

- INSERT INTO `exam` (`s_code`, `mark`, `p_code`, `roll_num`) VALUES ('cs11', '50', 'cs', '1');
- INSERT INTO `exam` (`s_code`, `mark`, `p_code`, `roll_num`) VALUES ('cs12', '60', 'cs', '2');
- INSERT INTO `exam` (`s_code`, `mark`, `p_code`, `roll_num`) VALUES ('ec101', '66', 'ec', '3');

- INSERT INTO `exam` (`s_code`, `mark`, `p_code`, `roll_num`) VALUES ('ec102', '70', 'ec', '1');
- INSERT INTO `exam` (`s_code`, `mark`, `p_code`, `roll_num`) VALUES ('ec101', '45', 'ec', '2');
- INSERT INTO `exam` (`s_code`, `mark`, `p_code`, `roll_num`) VALUES ('ec102', '50', 'ec', '3');

s_code	mark	p_code	roll_num
cs11	50	cs	1
cs12	60	cs	2
ec101	66	ec	3
ec102	70	ec	1
ec101	45	ec	2
ec102	50	ec	3

2. create table people.

- CREATE TABLE people(first name varchar (20),

   Last name varchar(20),

   Address varchar (50),

   city varchar(30),

   age int);

first name	last name	address	city	age
mickey	mouse	123 fantasy way	anaheim	73
bat	man	321 cavem ave	gotham	54
wonder	woman	987 Truth way	paradise	39
donald	duck	555 quack street	mallard	65
bugs	bunny	567 carrot street	rascal	58
wiley	coyote	999 acme way	hairball	32
cat	woman	234 purrfect street	hairball	32
tweety	bird	543	itoltaw	28

3.create table employe

```sql
CREATE TABLE `employe` (`emp_id` INT NOT NULL , `first name` VARCHAR(30) NOT NULL , `last name` VARCHAR(30) NOT NULL , `salary` INT NOT NULL , `joineing_date` DATE NOT NULL , `department` VARCHAR(30));
```

- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('1', 'john', 'abraham', '1000000', '2013-01-01', 'banking');
- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('2', 'michael', 'clarke', '800000', '2013-01-01', 'insurence');
- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('3', 'roy', 'thomas', '700000', '2013-01-01', 'banking');
- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('4', 'tom', 'jose', '600000', '2013-02-01', 'insurance');
- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('5', 'jery', 'pinto', '650000', '2013-02-01', 'insurence');
- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('6', 'philip', 'mathew', '750000', '2013-01-01', 'service');
- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('7', 'test name 1', '123', '650000', '2013-01-01', service);
- INSERT INTO `employe` (`emp_id`, `first name`, `last name`, `salary`, `joineing_date`, `department`) VALUES ('8', 'test name 2', 'last name', '600000', '2013-02-01', 'insurence');

emp_id	first name	last name	salary	joineing_date	department
1	john	abraham	1000000	2013-01-01	banking
2	michael	clarke	800000	2013-01-01	insurence
3	roy	thomas	700000	2013-01-01	banking
4	tom	jose	600000	2013-02-01	insurance
5	jery	pinto	650000	2013-02-01	insurence
6	philip	mathew	750000	2013-01-01	service
7	test name 1	123	650000	2013-01-01	service
8	test name 2	L name	600000	2013-02-01	insurence

1.SELECT * FROM `employe` WHERE 'first name' ='tom';

emp_id	first name	last name	salary	joineing_date	department
4	tom	jose	600000	2013-02-01	insurance

2. SELECT `first name`, `salary`, 'joineing_date' FROM `employe`;

john	1000000	joineing_date
michael	800000	joineing_date
roy	700000	joineing_date
tom	600000	joineing_date
jery	650000	joineing_date
philip	750000	joineing_date
test name 1	650000	joineing_date
test name 2	600000	joineing_date
test name 2	600000	joineing_date
test name 2	600000	joineing_date

3. SELECT * FROM `employe` ORDER BY `first name` asc;

emp_id	first name ▲ 1	last name	salary	joineing_date	department
5	jery	pinto	650000	2013-02-01	insurence
1	john	abraham	1000000	2013-01-01	banking
2	michael	clarke	800000	2013-01-01	insurence
6	philip	mathew	750000	2013-01-01	service
3	roy	thomas	700000	2013-01-01	banking
8	test name 2	last name	600000	2013-02-01	insurance
7	test name1	123	650000	2013-01-01	service
4	tom	jose	600000	2013-02-01	insurance

4. SELECT * FROM `employe` ORDER BY salary DESC;

emp_id	first name	last name	salary ▼ 1	joineing_date	department
1	john	abraham	1000000	2013-01-01	banking
2	michael	clarke	800000	2013-01-01	insurence
6	philip	mathew	750000	2013-01-01	service
3	roy	thomas	700000	2013-01-01	banking
5	jery	pinto	650000	2013-02-01	insurence
7	test name1	123	650000	2013-01-01	service
4	tom	jose	600000	2013-02-01	insurance
8	test name 2	last name	600000	2013-02-01	insurance

5. SELECT * FROM `employe` WHERE `first name` IN ('john','jery');

emp_id	first name	last name	salary	joineing_date	department
1	john	abraham	1000000	2013-01-01	banking
5	jery	pinto	650000	2013-02-01	insurence

6. SELECT DEPARTMENT,MAX(SALARY) MAXSALARY FROM EMPLOYE GROUP BY DEPARTMENT ORDER BY MAXSALARY ASC;

DEPARTMENT	MAXSALARY ▲ 1
insurance	600000
service	750000
insurence	800000
banking	1000000

7. SELECT `FIRST NAME`,INCENTIVE_AMOUNT FROM EMPLOYE A INNER JOIN INCENTIVE B ON A.EMP_ID=B.EMP_REF_ID AND INCENTIVE_AMOUNT >3000;

FIRST NAME	INCENTIVE_AMOUNT
john	5000
roy	4000
tom	4500
jery	3500

3.2 create table incentive

CREATE TABLE incentive` (`emp_ref_id` INT NOT NULL , `incentive_date` DATE NOT NULL , `incentive_amount` INT NOT NULL) ENGINE = InnoDB;

INSERT INTO `incentive` (`emp_ref_id`, `incentive_date`, `incentive_amount`) VALUES ('1', '2013-02-01', '5000'), ('2', '2013-02-01', '3000'), ('3', '2013-02-01', '4000'), ('4', '2013-01-01', '4500'), ('5', '2013-01-01', '3500');

emp_ref_id	incentive_date	incentive_amount
1	2013-02-01	5000
2	2013-02-01	3000
3	2013-02-01	4000
4	2013-01-01	4500
5	2013-01-01	3500

4create table salesman

CREATE TABLE`salesperson` (`sno` INT NOT NULL , `sname` VARCHAR(50) NOT NULL , `city` VARCHAR(30) NOT NULL , `comm` INT NOT NULL)
ENGINE = InnoDB;
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INSERT INTO `salesperson` (`sno`, `sname`, `city`, `comm`) VALUES ('1001', 'peel', 'london', '12'), ('1002', 'serres', 'san joes', '13'), ('1004', 'motika', 'london', '11'), ('1007', 'rafkin', 'barcelona', '15'), ('1003', 'axelord', 'new york', '1');

sno	sname	city	comm
1001	peel	london	12
1002	serres	san joes	13
1004	motika	london	11
1007	rafkin	barcelona	15
1003	axelord	new york	1

4.2create table customer.

CREATE TABLE `customer` (`cnm` INT NOT NULL ,
`cname` VARCHAR(50) NOT NULL , `city`
VARCHAR(30) NOT NULL , `ratting` INT NOT NULL ,
`sno` INT NOT NULL) ENGINE = InnoDB;

INSERT INTO `customer` (`cnm`, `cname`, `city`,
`ratting`, `sno`) VALUES ('201', 'hoffman', 'london', '100',
'1001'), ('202', 'giovanee', 'roe', '200', '1003'), ('203', 'liu',
'san jose', '300', '1002'), ('204', 'grass', 'barcelona', '300',
'1007'), ('205', 'pereira', 'reo', '100', '1004');

cnm	cname	city	ratting	sno
201	hoffman	london	100	1001
202	giovanee	roe	200	1003
203	liu	san jose	300	1002
204	grass	barcelona	300	1007
205	pereira	reo	100	1004

1. select * from order where amount> 1000;
2. SELECT sname,city from salesperson where
city='london' and comm>0.12;
3. All salespeople either in Barcelona or in London.
        SELECT * FROM salesperson WHERE
city='barcelona';
SELECT * FROM salesperson WHERE city=london;

sno	sname	city	comm
1001	peel	london	12
1004	motika	london	11

sno	sname	city	comm
1007	rafkin	barcelona	15

4. SELECT *FROM salesperson WHERE (comm > 10 AND comm< 12);

sno	sname	city	comm
1004	motika	london	11

5. SELECT *FROM customer WHERE ratting>100 OR city='rome';

cnm	cname	city	ratting	sno
202	giovanee	roe	200	1003
203	liu	san jose	300	1002
204	grass	barcelona	300	1007