CREATE DATABASE ORG123;

SHOW DATABASES;

USE ORG123;

CREATE TABLE Worker (

WORKER\_ID INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

FIRST\_NAME CHAR(25),

LAST\_NAME CHAR(25),

SALARY INT(15),

JOINING\_DATE DATETIME,

DEPARTMENT CHAR(25)

);

INSERT INTO Worker

(WORKER\_ID, FIRST\_NAME, LAST\_NAME, SALARY, JOINING\_DATE, DEPARTMENT) VALUES

(001, 'Monika', 'Arora', 100000, '14-02-20 09.00.00', 'HR'),

(002, 'Niharika', 'Verma', 80000, '14-06-11 09.00.00', 'Admin'),

(003, 'Vishal', 'Singhal', 300000, '14-02-20 09.00.00', 'HR'),

(004, 'Amitabh', 'Singh', 500000, '14-02-20 09.00.00', 'Admin'),

(005, 'Vivek', 'Bhati', 500000, '14-06-11 09.00.00', 'Admin'),

(006, 'Vipul', 'Diwan', 200000, '14-06-11 09.00.00', 'Account'),

(007, 'Satish', 'Kumar', 75000, '14-01-20 09.00.00', 'Account'),

(008, 'Geetika', 'Chauhan', 90000, '14-04-11 09.00.00', 'Admin');

CREATE TABLE Bonus (

WORKER\_REF\_ID INT,

BONUS\_AMOUNT INT(10),

BONUS\_DATE DATETIME,

FOREIGN KEY (WORKER\_REF\_ID)

REFERENCES Worker(WORKER\_ID)

ON DELETE CASCADE

);

CREATE TABLE Title (

WORKER\_REF\_ID INT,

WORKER\_TITLE CHAR(25),

AFFECTED\_FROM DATETIME,

FOREIGN KEY (WORKER\_REF\_ID)

REFERENCES Worker(WORKER\_ID)

ON DELETE CASCADE

);

INSERT INTO Bonus

(WORKER\_REF\_ID, BONUS\_AMOUNT, BONUS\_DATE) VALUES

(001, 5000, '16-02-20'),

(002, 3000, '16-06-11'),

(003, 4000, '16-02-20'),

(001, 4500, '16-02-20'),

(002, 3500, '16-06-11');

INSERT INTO Title

(WORKER\_REF\_ID, WORKER\_TITLE, AFFECTED\_FROM) VALUES

(001, 'Manager', '2016-02-20 00:00:00'),

(002, 'Executive', '2016-06-11 00:00:00'),

(008, 'Executive', '2016-06-11 00:00:00'),

(005, 'Manager', '2016-06-11 00:00:00'),

(004, 'Asst. Manager', '2016-06-11 00:00:00'),

(007, 'Executive', '2016-06-11 00:00:00'),

(006, 'Lead', '2016-06-11 00:00:00'),

(003, 'Lead', '2016-06-11 00:00:00');

#5

select \* FROM Worker WHERE SALARY BETWEEN 100000 AND 500000;

#6

Select \* from Worker where month(joining\_date)=2 and year(joining\_date)=2014;

#7

Select count(\*) from worker where department='admin';

#8

select first\_name, last\_name from worker where salary between 50000 and 100000;

#9

select department,count(\*) as workers from worker group by department order by workers desc;

#10

select w.\* from worker w join title t on w.worker\_id=t.worker\_ref\_id where t.worker\_title='Manager';

#11

Select min(salary) from worker where salary>(select min(salary) from worker);

#12

select \* from worker where salary in(Select Salary from worker group by salary having count(\*)>1);

#13

select max(salary) from worker where salary<(select max(salary) from worker);

#14

(select \* from worker where worker\_id=1) union all (select \* from worker where worker\_id=1);

#16

select department from worker group by department having count(\*)<3;

#17

select department,count(\*) as num\_workers from worker group by department;

#18

select \* from worker order by worker\_id desc limit 5;

#19

select w.\* from worker w join(select department,max(salary) as max\_salary from worker group by department)d ON

w.department=d.department and w.salary=d.max\_salary;

#20

select distinct salary from worker order by salary desc limit 3;

#21

select \* from worker where(department='admin' or department='Account') and salary in(select min(salary) from worker where

department='admin' union select min(salary) from worker where department='account');