**Assignment No:-56**

Name:-Suryawanshi Sangramsingh Sambhaji

Batch: - Delta - DCA (Java) 2024 Date:-31/7/2024

**CREATE DATABASE ORG; SHOW DATABASES;**

**USE ORG;**

**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);**

**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');**

**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 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');**

|  |  |  |
| --- | --- | --- |
|  |  |  |

Sample Table – Worker

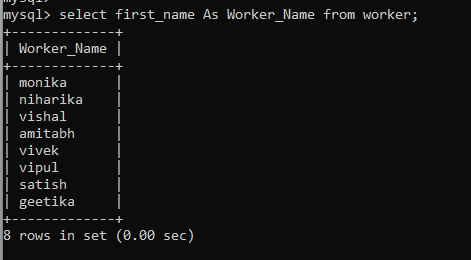
|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **WORKER\_ID** | **FIRST\_NAME** | **LAST\_NAME** | **SALARY** | **JOINING\_DATE** | **DEPARTMENT** |
| **001** | **Monika** | **Arora** | **100000** | **2014-02-20 09:00:00** | **HR** |
| **002** | **Niharika** | **Verma** | **80000** | **2014-06-11 09:00:00** | **Admin** |
| **003** | **Vishal** | **Singhal** | **300000** | **2014-02-20 09:00:00** | **HR** |
| **004** | **Amitabh** | **Singh** | **500000** | **2014-02-20 09:00:00** | **Admin** |
| **005** | **Vivek** | **Bhati** | **500000** | **2014-06-11 09:00:00** | **Admin** |
| **006** | **Vipul** | **Diwan** | **200000** | **2014-06-11 09:00:00** | **Account** |
| **007** | **Satish** | **Kumar** | **75000** | **2014-01-20 09:00:00** | **Account** |
| **008** | **Geetika** | **Chauhan** | **90000** | **2014-04-11 09:00:00** | **Admin** |

Sample Table – Bonus

|  |  |  |  |
| --- | --- | --- | --- |
| **WORKER\_REF\_ID** | **BONUS\_DATE** | **BONUS\_AMOUNT** |  |
| **1** | **2016-02-20 00:00:00** | **5000** |
| **2** | **2016-06-11 00:00:00** | **3000** |
| **3** | **2016-02-20 00:00:00** | **4000** |
| **1** | **2016-02-20 00:00:00** | **4500** |
| **2** | **2016-06-11 00:00:00** | **3500** |
| **Sample Table – Title** | | |
| **WORKER\_REF\_ID** | **WORKER\_TITLE** | **AFFECTED\_FROM** | |
| **1** | **Manager** | **2016-02-20 00:00:00** | |
| **2** | **Executive** | **2016-06-11 00:00:00** | |
| **8** | **Executive** | **2016-06-11 00:00:00** | |
| **5** | **Manager** | **2016-06-11 00:00:00** | |
| **4** | **Asst. Manager** | **2016-06-11 00:00:00** | |
| **7** | **Executive** | **2016-06-11 00:00:00** | |
| **6** | **Lead** | **2016-06-11 00:00:00** | |
| **3** | **Lead** | **2016-06-11 00:00:00** | |

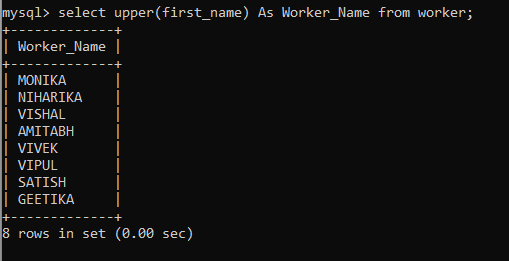
Q-1. Write an SQL query to fetch “FIRST\_NAME” from Worker table using the alias name as <WORKER\_NAME>.

select first\_name As Worker\_Name from worker;



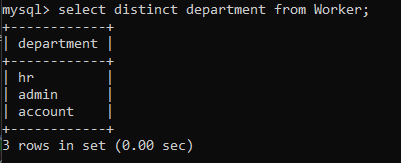
Q-2. Write an SQL query to fetch “FIRST\_NAME” from Worker table in upper case.

select upper(first\_name) As Worker\_Name from worker;



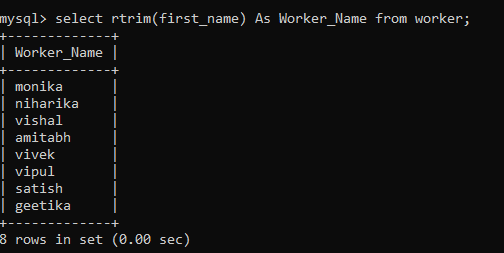
Q-3. Write an SQL query to fetch unique values of DEPARTMENT from Worker table.

select distinct department from Worker;

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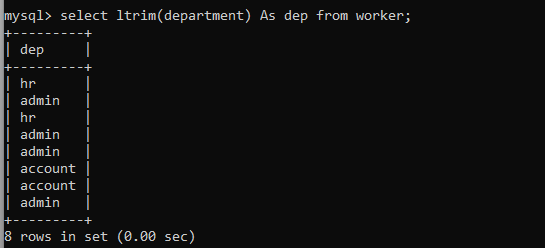
Q-6 Write an SQL query to print the FIRST\_NAME from Worker table after removing white spaces from the right side.

select rtrim(first\_name) As Worker\_Name from worker;



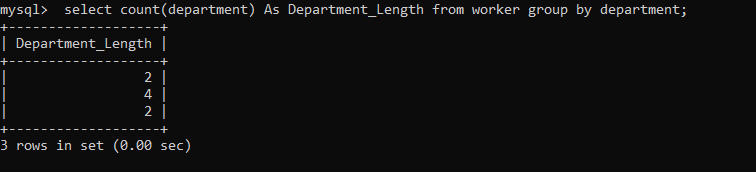
Q-7. Write an SQL query to print the DEPARTMENT from Worker table after removing white spaces from the left side.

select ltrim(department) As Department\_Worker from worker;



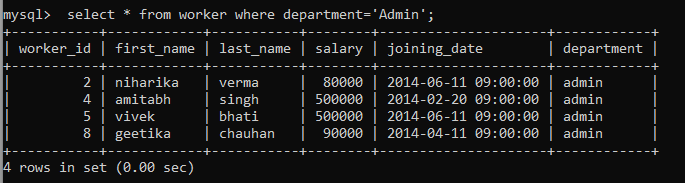
Q-8. Write an SQL query that fetches the unique values of DEPARTMENT from Worker table and prints its length.

select count(department) As Department\_Length from worker group by department;



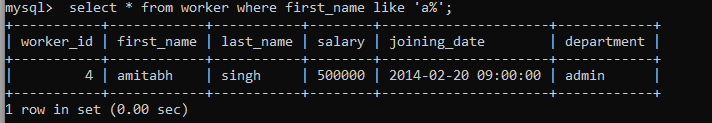
Q-9 Write an SQL query to print details of Workers with DEPARTMENT name as “Admin”.

select \* from worker where department='Admin';



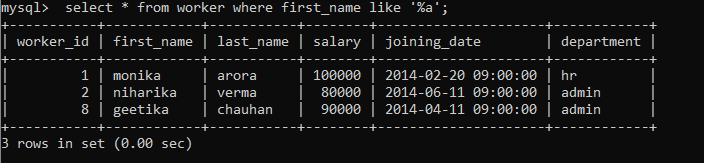
Q-10. Write an SQL query to print details of the Workers whose FIRST\_NAME contains ‘a’.

select \* from worker where first\_name like 'a%';

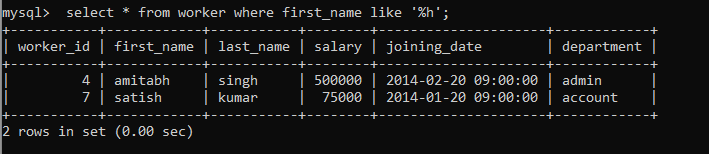


Q-11. Write an SQL query to print details of the Workers whose FIRST\_NAME ends with ‘a’.

select \* from worker where first\_name like '%a';

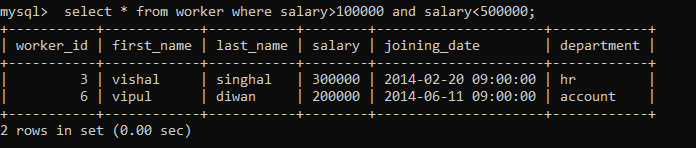


Q-12. Write an SQL query to print details of the Workers whose FIRST\_NAME ends with ‘h’.

select \* from worker where first\_name like '%h';

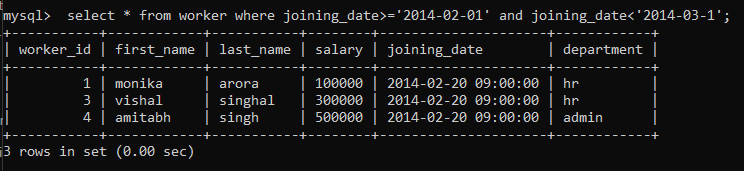
Q-13. Write an SQL query to print details of the Workers whose SALARY lies between 100000 and 500000.

select \* from worker where salary>100000 and salary<500000;



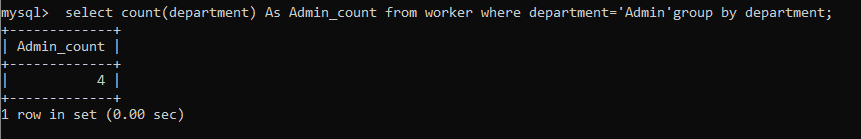
Q-14. Write an SQL query to print details of the Workers who have joined in Feb’2014.

select \* from worker where joining\_date>='2014-02-01' and joining\_date<'2014-03-1';



Q-15. Write an SQL query to fetch the count of employees working in the department ‘Admin’.

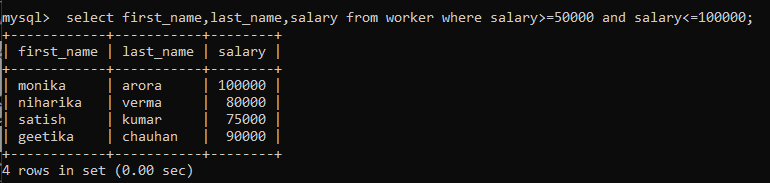
select count(department) As Admin\_count from worker where department='Admin'group by department;



Q-16. Write an SQL query to fetch worker names with salaries >= 50000 and

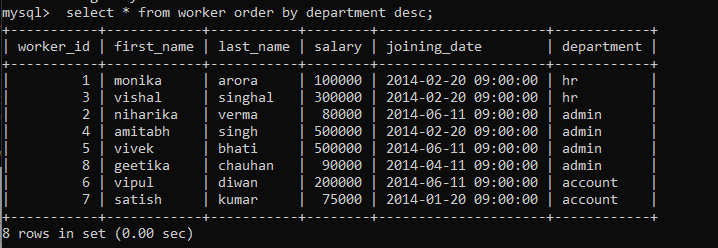
<= 100000.

select first\_name,last\_name,salary from worker where salary>=50000 and salary<=100000;



Q-17. Write an SQL query to fetch the no. of workers for each department in the descending order.

select \* from worker order by department desc;



Q-18. Write an SQL query to print details of the Workers who are also Managers.

select Title.worker\_ref\_id,Worker.worker\_id,first\_name from worker inner join Title on Worker.worker\_id=Title.worker\_ref\_id where Title.worker\_title='Manager';

