Dhanraj Mankar Assinment

CREATE TABLE `dhanra`.`employee` (

`Employee\_id` INT NOT NULL,

`First\_Name` VARCHAR(45) NOT NULL,

`Last\_name` VARCHAR(45) NOT NULL,

`Sayary` VARCHAR(45) NOT NULL,

`Joning Date` VARCHAR(45) NOT NULL,

`Department` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Employee\_id`));

Values Inserting

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('001', 'Moika', 'Arora', '100000', '2014-02-20', 'HR');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('002', 'Niharika', 'Verma', '80000', '2014-06-20', 'Admin');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('003', 'Vishal', 'Singhal', '300000', '2014-02-20', 'HR');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('004', 'amitabh', 'Singh', '500000', '2014-02-20', 'Admin');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('005', 'Vivek', 'Bhati', '500000', '2014-06-20', 'Admin');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('006', 'Vipul', 'Diwan', '200000', '2014-06-20', 'Account');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('007', 'Satish', 'kumar', '750000', '2014-01-20', 'Account');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('008', 'Giteeka', 'Chauhan', '900000', '2014-04-20', 'Admin');

INSERT INTO `dhanra`.`employee` (`Employee\_id`, `First\_Name`, `Last\_name`, `Sayary`, `Joning Date`, `Department`) VALUES ('009', 'Dhanraj', 'Mankar', '1000', '2025-04-21', 'Manager');

SELECT \* FROM dhanra.employee;

|  | **Employee\_id** | **First\_Name** | **Last\_name** | **Sayary** | **Joning Date** | **Department** |
| --- | --- | --- | --- | --- | --- | --- |
|  | 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
|  | 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
|  | 3 | Vishal | Singhal | 300000 | 2014-02-20 | HR |
|  | 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
|  | 5 | Vivek | Bhati | 500000 | 2014-06-20 | Admin |
|  | 6 | Vipul | Diwan | 200000 | 2014-06-20 | Account |
|  | 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
|  | 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
|  | 9 | Dhanraj | Mankar | 1000 | 2025-04-21 | Manager |
|  |  |  |  |  |  |  |

Creating bonus Table

CREATE TABLE `dhanra`.`bonus table` (

`Employee\_id` INT NOT NULL,

`Bonus Date` VARCHAR(45) NOT NULL,

`Amount` VARCHAR(45) NOT NULL,

PRIMARY KEY (`Employee\_id`));

Inserting Values

INSERT INTO `dhanra`.`bonus table` (`Employee\_id`, `Bonus Date`, `Amount`) VALUES ('4', '2016-02-20', '5000');

INSERT INTO `dhanra`.`bonus table` (`Employee\_id`, `Bonus Date`, `Amount`) VALUES ('2', '2016-06-11', '3000');

INSERT INTO `dhanra`.`bonus table` (`Employee\_id`, `Bonus Date`, `Amount`) VALUES ('3', '2016-02-20', '4000');

INSERT INTO `dhanra`.`bonus table` (`Employee\_id`, `Bonus Date`, `Amount`) VALUES ('1', '2016-02-20', '4500');

INSERT INTO `dhanra`.`bonus table` (`Employee\_id`, `Bonus Date`, `Amount`) VALUES ('5', '2016-06-11', '3500');

Creating Table Employee Post

CREATE TABLE `dhanra`.`employee post` (

`Employee\_id` INT NOT NULL,

`Employee\_Title` VARCHAR(45) NOT NULL,

`Affected\_From` DATE NOT NULL,

PRIMARY KEY (`Employee\_id`));

Inserting Values

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('1', 'Manager', '2016-02-20');

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('2', 'Executive', '2016-06-11');

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('8', 'Executive', '2016-06-11');

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('5', 'Manager', '2016-06-11');

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('4', 'Assi Manager', '2016-06-11');

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('7', 'Executive', '2016-06-11');

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('6', 'Lead', '2016-06-11');

INSERT INTO `dhanra`.`employee post` (`Employee\_id`, `Employee\_Title`, `Affected\_From`) VALUES ('3', 'Lead', '2016-06-11');

Id post Joing Date

|  |  |  |
| --- | --- | --- |
| 1 | Manager | 2016-02-20 |
| 2 | Executive | 2016-06-11 |
| 3 | Lead | 2016-06-11 |
| 4 | Assi Manager | 2016-06-11 |
| 5 | Manager | 2016-06-11 |
| 6 | Lead | 2016-06-11 |
| 7 | Executive | 2016-06-11 |
| 8 | Executive | 2016-06-11 |
|  |  |  |

Q-1. Write an SQL query to fetch “FIRST\_NAME” from

Employee table using the alias name as

<EMPLOYEE\_NAME>.

Ans. >

SELECT First\_name as Employee\_name FROM dhanra.employee;

|  |
| --- |
| Moika |
| Niharika |
| Vishal |
| amitabh |
| Vivek |
| Vipul |
| Satish |
| Giteeka |
| Dhanraj |

Q-2. Write an SQL query to fetch “FIRST\_NAME” from

EMPLOYEE table in upper case.

|  |
| --- |
| MOIKA |
| NIHARIKA |
| VISHAL |
| AMITABH |
| VIVEK |
| VIPUL |
| SATISH |
| GITEEKA |
| DHANRAJ |
|  |

Ans.>

SELECT upper(First\_Name) as Employee\_name FROM dhanra.employee;

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

Ans.

SELECT distinct Department FROM dhanra.employee;

|  |
| --- |
| Manager |
| HR |
| Admin |
| Account |

Q-4. Write an SQL query to print the first three characters of FIRST\_NAME from EMPLOYEE table.

Ans.

SELECT SUBSTRING(Fisrt\_Name,1,3) FROM dhanra.employee;

Q-5. Write an SQL query to find the position of the

alphabet (‘a’) in the first name column ‘Amitabh’ from

EMPLOYEE table. Ans.

SELECT instr(First\_Name,"A")From dhanra.employee where First\_Name="Amitabh";

|  |
| --- |
| 1 |

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

right side. Ans.

SELECT rtrim(First\_Name) From dhanra.employee;

|  |
| --- |
| Moika |
| Niharika |
| Vishal |
| amitabh |
| Vivek |
| Vipul |
| Satish |
| Giteeka |
| Dhanraj |

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

Ans.

SELECT ltrim(First\_Name) From dhanra.employee;

|  |
| --- |
| Moika |
| Niharika |
| Vishal |
| amitabh |
| Vivek |
| Vipul |
| Satish |
| Giteeka |
| Dhanraj |

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

Ans.

SELECT distinct department,length(department) as depaartmentnamelength from dhanra.employee;

|  |  |
| --- | --- |
| HR | 2 |
| Admin | 5 |
| Account | 7 |
| Manager | 7 |

Q-9. Write an SQL query to print the FIRST\_NAME from

EMPLOYEE table after replacing ‘a’ with ‘A’.

Ans.

SELECT replace(First\_Name,"a","A") from dhanra.employee;

|  |
| --- |
| MoikA |
| NihArikA |
| VishAl |
| AmitAbh |
| Vivek |
| Vipul |
| SAtish |
| GiteekA |
| DhAnrAj |

Q-10. Write an SQL query to print the FIRST\_NAME and LAST\_NAME from EMPLOYEE table into a single column

COMPLETE\_NAME. A space char should separate them. Ans.

**SELECT concat(First\_Name," ",Last\_Name)as fullname from dhanra.employee;**

|  |
| --- |
| Moika Arora |
| Niharika Verma |
| Vishal Singhal |
| amitabh Singh |
| Vivek Bhati |
| Vipul Diwan |
| Satish kumar |
| Giteeka Chauhan |
| Dhanraj Mankar |

Q-11. Write an SQL query to print all EMPLOYEE details from the EMPLOYEE table order by FIRST\_NAME Ascending.

Ans.

The required query is: SELECT \* from dhanra.employee order by First\_Name Asc;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 9 | Dhanraj | Mankar | 1000 | 2025-04-21 | Manager |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
| 6 | Vipul | Diwan | 200000 | 2014-06-20 | Account |
| 3 | Vishal | Singhal | 300000 | 2014-02-20 | HR |
| 5 | Vivek | Bhati | 500000 | 2014-06-20 | Admin |
|  |  |  |  |  |  |

Q-12. Write an SQL query to print all EMPLOYEE details from the EMPLOYEE table order by FIRST\_NAME Ascending and DEPARTMENT Descending.

Ans.

The required query is:

SELECT \* from dhanra.employee order by First\_Name Asc,Department Desc;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 9 | Dhanraj | Mankar | 1000 | 2025-04-21 | Manager |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
| 6 | Vipul | Diwan | 200000 | 2014-06-20 | Account |
| 3 | Vishal | Singhal | 300000 | 2014-02-20 | HR |
| 5 | Vivek | Bhati | 500000 | 2014-06-20 | Admin |
|  |  |  |  |  |  |

Q-13. Write an SQL query to print details for EMPLOYEEs with the first name as “Vipul” and “Satish” from EMPLOYEE table.

Ans.

The required query is:

SELECT \* from dhanra.employee where First\_Name in("Vipul","Satish"

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 6 | Vipul | Diwan | 200000 | 2014-06-20 | Account |
| 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
|  |  |  |  |  |  |

Q-14. Write an SQL query to print details of EMPLOYEEs excluding first names, “Vipul” and “Satish” from EMPLOYEE table.

Ans.

The required query is:

SELECT \* from dhanra.employee where First\_Name not in("Vipul","Satish");

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 3 | Vishal | Singhal | 300000 | 2014-02-20 | HR |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 5 | Vivek | Bhati | 500000 | 2014-06-20 | Admin |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
| 9 | Dhanraj | Mankar | 1000 | 2025-04-21 | Manager |
|  |  |  |  |  |  |

Q-15. Write an SQL query to print details of EMPLOYEEs

with DEPARTMENT name as “Admin”.

Ans.

The required query is:

SELECT \* from dhanra.employee where Department="Admin";

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 5 | Vivek | Bhati | 500000 | 2014-06-20 | Admin |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
|  |  |  |  |  |  |

Q-16. Write an SQL query to print details of the EMPLOYEEs whose FIRST\_NAME contains ‘a’. Ans.

The required query is:

SELECT \* from dhanra.employee where First\_Name like "%a%";

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 3 | Vishal | Singhal | 300000 | 2014-02-20 | HR |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
| 9 | Dhanraj | Mankar | 1000 | 2025-04-21 | Manager |
|  |  |  |  |  |  |

Q-17. Write an SQL query to print details of the EMPLOYEEs whose FIRST\_NAME ends with ‘a’. Ans.

The required query is:

SELECT \* from dhanra.employee where First\_Name like "%a";

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
|  |  |  |  |  |  |

Q-18. Write an SQL query to print details of the EMPLOYEEs whose FIRST\_NAME ends with ‘h’ and contains six alphabets.

Ans.

The required query is:

SELECT \* from dhanra.employee where First\_Name like "\_\_\_\_\_h";

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
|  |  |  |  |  |  |

Q-19. Write an SQL query to print details of the EMPLOYEEs whose SALARY lies between 100000 and 500000.

Ans.

The required query is:

SELECT \* from dhanra.employee where Sayary between 100000 AND 500000;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 3 | Vishal | Singhal | 300000 | 2014-02-20 | HR |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 5 | Vivek | Bhati | 500000 | 2014-06-20 | Admin |
| 6 | Vipul | Diwan | 200000 | 2014-06-20 | Account |
|  |  |  |  |  |  |

Q-20. Write an SQL query to print details of the

EMPLOYEEs who have joined in Feb’2014.

Ans.

The required query is:

SELECT \* from dhanra.employee where Joning\_Date like "2014-02";

For This query there is no match in my databaase

Q-21. Write an SQL query to fetch the count of employees

working in the department ‘Admin’.

Ans.

The required query is:

SELECT count(\*)from dhanra.employee where Department="Admin";

4

Q-22. Write an SQL query to fetch EMPLOYEE names with salaries >= 50000 and <= 100000.

Ans.

The required query is:

SELECT \*from dhanra.employee where Sayary>=50000 and Sayary<=100000;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
|  |  |  |  |  |  |

Q-23. Write an SQL query to fetch the no. of EMPLOYEEs for each department in the descending order.

Ans.

The required query is:

SELECT Department,count(Employee\_id)as no\_of\_Employee from dhanra.employee

group by Department

order by no\_of\_Employee desc;

|  |  |
| --- | --- |
| Admin | 4 |
| HR | 2 |
| Account | 2 |
| Manager | 1 |

Q-24. Write an SQL query to print details of the EMPLOYEEs who are also Managers.

Ans.

The required query is:

SELECT distinct s.First\_Name,s.Employee\_Title FROM dhanra.employee s

inner join employeepost t

on s.Employee\_id=t.Employee\_id

and t.Employee\_Title in ('Manager');

Q-25. Write an SQL query to fetch duplicate records having matching data in some fields of a table.

Ans.

The required query is:

SELECT Employee\_Title,Affected\_From,count(\*) FROM dhanra.`employee post`

group by Employee\_Title,Affected\_From

having count(\*)>1;

|  |  |  |
| --- | --- | --- |
| Executive | 2016-06-11 | 3 |
| Lead | 2016-06-11 | 2 |

Q-27. Write an SQL query to show only even rows from a table.

Ans.

The required query is:

SELECT \* FROM dhanra.employee where mod(Employee\_id,2)=0;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 6 | Vipul | Diwan | 200000 | 2014-06-20 | Account |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
|  |  |  |  |  |  |

Q-28. Write an SQL query to show the current date and time.

Ans.

**SELECT curdate();**

2022-03-02

Q-29. Write an SQL query to show the top n (say 10) records of a table.

Ans.

SELECT \* FROM dhanra.employee order by Sayary desc limit 10;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
| 4 | amitabh | Singh | 500000 | 2014-02-20 | Admin |
| 5 | Vivek | Bhati | 500000 | 2014-06-20 | Admin |
| 3 | Vishal | Singhal | 300000 | 2014-02-20 | HR |
| 6 | Vipul | Diwan | 200000 | 2014-06-20 | Account |
| 1 | Moika | Arora | 100000 | 2014-02-20 | HR |
| 9 | Dhanraj | Mankar | 1000 | 2025-04-21 | Manager |
|  |  |  |  |  |  |

Q-30. Write an SQL query to fetch three max salaries from a table.

Ans.

The required query is:

SELECT \* FROM dhanra.employee order by Sayary desc limit 3;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 8 | Giteeka | Chauhan | 900000 | 2014-04-20 | Admin |
| 2 | Niharika | Verma | 80000 | 2014-06-20 | Admin |
| 7 | Satish | kumar | 750000 | 2014-01-20 | Account |
|  |  |  |  |  |  |