

DATABASE ASSIGNMENT

CREATE TABLE QUERY

CREATE TABLE EmployeeInfo (

EmpID int,

EmpFname varchar(255),

EmpLname varchar(255),

Department varchar(255),

Project varchar(255),

Address varchar(255),

DOB date,

Gender varchar(1),

)

#	Name	Туре	Collation	Attributes	Null	Default	Comments	Extra	Action		
1	EmpID 🔑	int(11)			No	None		AUTO_INCREMENT	Change	Drop	▼ More
2	EmpFname	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change	Drop	▼ More
3	EmpLname	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change	Drop	▼ More
4	Department	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change	Drop	▼ More
5	Project	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change	Drop	▼ More
6	Address	varchar(255)	utf8mb4_general_ci		Yes	NULL			Change	Drop	▼ More
7	DOB	date			Yes	NULL			Change	Drop	▼ More
8	Gender	varchar(1)	utf8mb4_general_ci		Yes	NULL			Change	Drop	▼ More



Query for insertion of data

INSERT INTO EmployeeInfo(EmpID, EmpFname, EmpLname, Department, Project, Address, DOB, Gender) VALUES (1, "Sanjay", "Mehra", "HR", "P1", "Hyderabad(HYD)", "1976/12/01", "M");

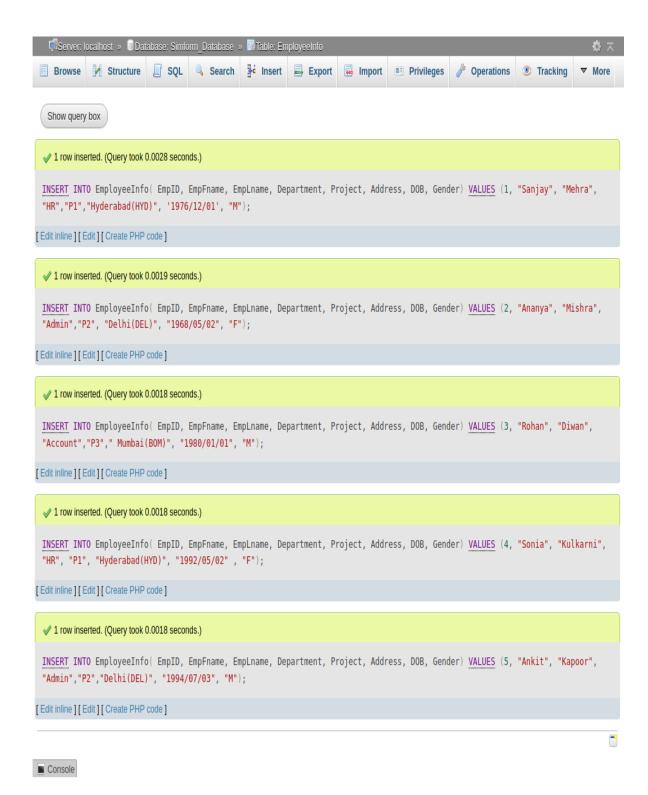
INSERT INTO EmployeeInfo(EmpID, EmpFname, EmpLname, Department, Project, Address, DOB, Gender) VALUES (2, "Ananya", "Mishra", "Admin","P2"," Delhi(DEL)", "1968/05/02", "F");

INSERT INTO EmployeeInfo(EmpID, EmpFname, EmpLname, Department, Project, Address, DOB, Gender) VALUES (3, "Rohan", "Diwan", "Account", "P3", "Mumbai(BOM)", "1980/01/01", "M");

INSERT INTO EmployeeInfo(EmpID, EmpFname, EmpLname, Department, Project, Address, DOB, Gender) VALUES (4, "Sonia", "Kulkarni", "HR","P1"," Hyderabad(HYD)", "1992/05/02", "F");

INSERT INTO EmployeeInfo(EmpID, EmpFname, EmpLname, Department, Project, Address, DOB, Gender) VALUES (5, "Ankit", "Kapoor", "Admin", "P2", "Delhi(DEL)", "1994/07/03", "M");







CREATE TABLE QUERY

```
CREATE TABLE EmployeePosition (
EmpID int,
EmpPosition varchar(255),
DateOfJoining varchar(255),
Salary int
);
```

```
✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0051 seconds.)

CREATE TABLE EmployeePosition ( EmpID int, EmpPosition varchar(255), DateOfJoining varchar(255), Salary int );

[Edit inline][Edit][Create PHP code]
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Query for insertion of data

INSERT INTO EmployeePosition(EmpID, EmpPosition, DateOfJoining, Salary) VALUES (1, "Manager", "01/05/2022", 500000)

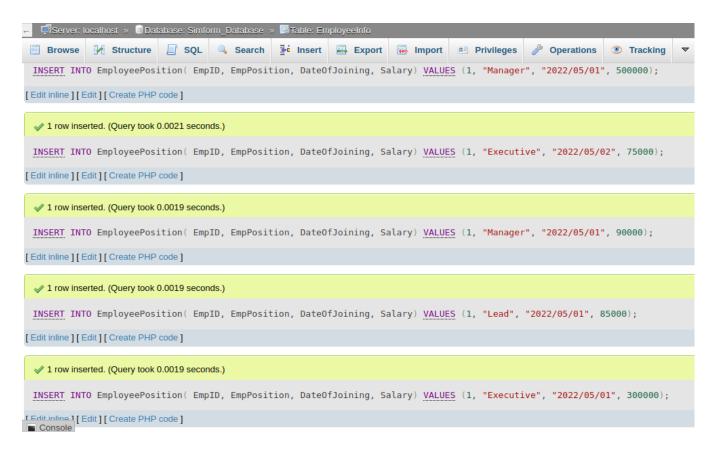
INSERT INTO EmployeePosition(EmpID, EmpPosition, DateOfJoining, Salary) VALUES (1, "Executive", "02/05/2022", 75000)

INSERT INTO EmployeePosition(EmpID, EmpPosition, DateOfJoining, Salary) VALUES (1, "Manager", "01/05/2022", 90000)

INSERT INTO EmployeePosition(EmpID, EmpPosition, DateOfJoining, Salary) VALUES (1, "Lead", "01/05/2022", 85000)



INSERT INTO EmployeePosition(EmpID, EmpPosition, DateOfJoining, Salary) VALUES (1, "Executive", "01/05/2022", 300000)

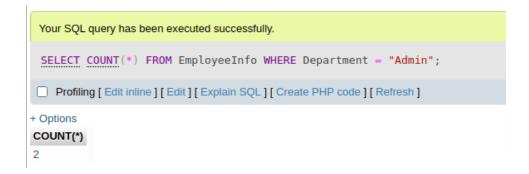


OTHER QUERIES

1. Write a query to fetch the number of employees working in the department 'Admin'

SELECT COUNT(*) FROM EmployeeInfo WHERE Department = "Admin";





2. Write a query to retrieve the first four characters of EmpLname from the EmployeeInfo table.

SELECT SUBSTRING(EmpLname, 1,4) AS EmpLname FROM EmployeeInfo;



3. Write q query to find all the employees whose salary is between 50000 to 100000.

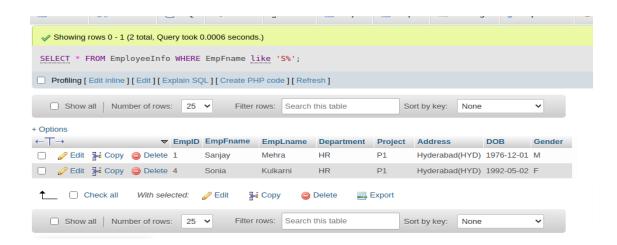
SELECT * FROM EmployeePosition WHERE Salary BETWEEN 50000 AND 100000;





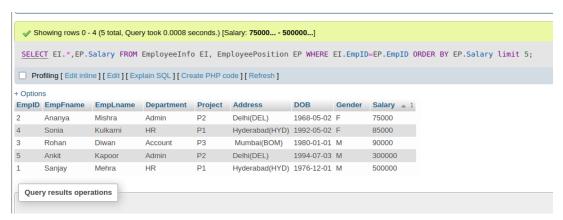
4. Write a query to find the names of employees that begin with 'S'

SELECT * FROM EmployeeInfo WHERE EmpFname like 'S%';



5. Write a query to fetch top N records order by salary. (ex. top 5 records)

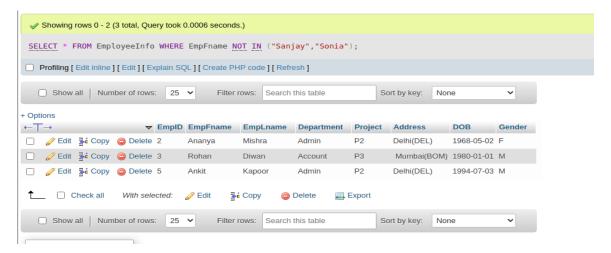
<u>SELECT</u> EI.*,EP.Salary FROM EmployeeInfo EI, EmployeePosition EP WHERE EI.EmpID=EP.EmpID ORDER BY EP.Salary limit 5;



6. Write a query to fetch details of all employees excluding the employees with first names, "Sanjay" and "Sonia" from the EmployeeInfo table.

<u>SELECT</u> * FROM EmployeeInfo WHERE EmpFname <u>NOT IN</u> ("Sanjay", "Sonia");





7. Write a query to fetch the department-wise count of employees sorted by department's count in ascending order.

SELECT COUNT(*), Department FROM EmployeeInfo GROUP BY Department;

