

1. Name collection creation

> Input

```
CREATE TABLE Employees (  
    EmployeeID VARCHAR(10) PRIMARY KEY,  
    Name VARCHAR(100),  
    Department VARCHAR(50),  
    Gender VARCHAR(10)  
);
```

Output

SQL query successfully executed. However, the result set is empty.

Output of name collection:

> Input

```
INSERT INTO Employees (EmployeeID, Name, Department, Gender) VALUES  
(  
'E02001', 'Alice', 'IT', 'Female'),  
(  
'E02002', 'Bob', 'HR', 'Male'),  
(  
'E02003', 'Charlie', 'IT', 'Male'),  
(  
'E02004', 'David', 'Sales', 'Male');
```

Output

SQL query successfully executed. However, the result set is empty.

Available Tables

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

Employees

EmployeeID	Name	Department	Gender
E02001	Alice	IT	Female
E02002	Bob	HR	Male
E02003	Charlie	IT	Male
E02004	David	Sales	Male

2. Phone collection creation:

The screenshot shows a SQL IDE interface. The 'Input' tab contains an SQL query to insert data into the 'phone' table. The 'Run SQL' button is highlighted. The 'Output' tab shows the message: 'SQL query successfully executed. However, the result set is empty.' The 'Available Tables' panel on the right shows a list of tables, including 'Phone', which is highlighted with a red box. The 'Phone' table structure is shown below it.

```
INSERT INTO phone (EmployeeID, Name, Department, Gender, phone_number) VALUES
('E020011', 'Alice', 'IT', 'Female', '3231'),
('E020021', 'Bob', 'HR', 'Male', '2355'),
('E020033', 'Charlie', 'IT', 'Male', '6556'),
('E020043', 'David', 'Sales', 'Male', '6565');
```

EmployeeID	Name	Department	Gender	phone_number
E020011	Alice	IT	Female	3231
E020021	Bob	HR	Male	2355
E020033	Charlie	IT	Male	6556
E020043	David	Sales	Male	6565

3. Get employee count

The screenshot shows a SQL IDE interface. The 'Input' tab contains an SQL query to get the employee count. The 'Run SQL' button is highlighted. The 'Output' tab shows the result of the query.

```
SELECT COUNT(*) AS EmployeeCount FROM Employees;
```

EmployeeCount
4

4. Without department

> Input

Run SQL

```
SELECT * FROM EmployeeswithoutDepartment
```

Output

EmployeeID	Name	Gender
E02001	Alice	Female
E02002	Bob	Male
E02003	Charlie	Male
E02004	David	Male

5.phone collection without gender

> Input

Run SQL

```
SELECT * FROM EmployeesphonewithoutGender
```

Output

EmployeeID	Name	Department	phone_number
E020011	Alice	IT	3231
E020021	Bob	HR	2355
E020033	Charlie	IT	6556
E020043	David	Sales	6565

Delete a employee from employees

> Input

```
DELETE FROM Employees WHERE EmployeeID = 'E02003';
```

Run SQL

> Available Tables

Customers

customer_id	first_name	last_name	age	country
1	John	Doe	31	USA
2	Robert	Luna	22	USA
3	David	Robinson	22	UK
4	John	Reinhardt	25	UK
5	Betty	Doe	28	UAE

Employees

EmployeeID	Name	Department	Gender
E02001	Alice	IT	Female
E02002	Bob	HR	Male
E02004	David	Sales	Male

Orders

Output

SQL query successfully executed. However, the result set is empty.

Employee count

> Input

```
SELECT Department, COUNT(*) AS Count FROM Employees GROUP BY Department;
```

Run SQL

>

Output

Department	Count
HR	1
IT	2
Sales	1

name collection department 'IT'

>

Input

Run SQL

>

```
SELECT * FROM Employees WHERE Department = 'IT';
```

Output

EmployeeID	Name	Department	Gender
E02001	Alice	IT	Female
E02003	Charlie	IT	Male

name collection gender 'Male'

>

Input

Run SQL

>

```
SELECT * FROM Employees WHERE Gender = 'Male';
```

Output

EmployeeID	Name	Department	Gender
E02002	Bob	HR	Male
E02003	Charlie	IT	Male
E02004	David	Sales	Male

phone collection department 'IT'

Input

```
SELECT * FROM PHONE WHERE Department = 'IT';
```

Run SQL

Output

EmployeeID	Name	Department	Gender	phone_number
E020011	Alice	IT	Female	3231
E020033	Charlie	IT	Male	6556

name collection department facet

Input

```
SELECT Department, COUNT(*) AS Count  
FROM Employees  
GROUP BY Department;
```

Run SQL

Output

Department	Count
HR	1
IT	2
Sales	1

Available Tables

Customers

Employees

Orders

phone collection department facet

Input

Run SQL

```
SELECT Department, COUNT(*) AS Count
FROM phone
GROUP BY Department;
```

Output

Department	Count
HR	1
IT	2
Sales	1