

-- create a table

```
CREATE TABLE Employees (  
    EmployeesID INTEGER PRIMARY KEY,  
    FirstName VARCHAR(50),  
    LastName VARCHAR(50),  
    Age INTEGER,  
    Department VARCHAR(50),  
    Salary DECIMAL(10, 2),  
    DateOfJoining DATE,  
    Email VARCHAR(100),  
    PhoneNumber VARCHAR(15),  
    Address VARCHAR(255)  
);
```

-- insert some values

```
INSERT INTO Employees VALUES (1, 'John', 'Doe', 30, 'IT', 70000.00, '2023-09-01',  
'john.doe@example.com', '1234567890', '123 Main St, City');
```

```
INSERT INTO Employees VALUES (2, 'Jane', 'Smith', 28, 'HR', 55000.00, '2021-03-15',  
'jane.smith@example.com', '12345678901', '456 Oak St, City');
```

```
INSERT INTO Employees VALUES (3, 'Alice', 'Brown', 35, 'Marketing', 65000.00, '2019-  
07-20',  
'alice.brown@example.com', '3456789012', '789 Pine St, City');
```

```
INSERT INTO Employees VALUES (4, 'Bob', 'Johnson', 40, 'Sales', 60000.00, '2018-05-10',  
'bob.johnson@example.com', '4567890123', '101 Maple St, City');
```

```
INSERT INTO Employees VALUES (5, 'Emily', 'Davis', 25, 'IT', 72000.00, '2022-10-01',  
'emily.davis@example.com', '5678901234', '202 Birch St, City');
```

```
INSERT INTO Employees VALUES (6, 'Mike', 'Wilson', 45, 'HR', 58000.00, '2017-02-28',  
'mike.wilson@example.com', '6789012345', '303 Cedar St, City');
```

```
INSERT INTO Employees VALUES (7, 'Linda', 'Martin', 32, 'IT', 75000.00, '2023-08-15',  
'linda.martin@example.com', '7890123456', '404 Spruce St, City');
```

```
INSERT INTO Employees VALUES (8, 'David', 'Lee', 38, 'Marketing', 67000.00, '2020-06-  
05',
```

```
'david.lee@example.com', '8901234567', '505 Walnut St, City');

INSERT INTO Employees VALUES (9, 'Sarah', 'Anderson', 29, 'Sales', 63000.00, '2021-11-25',

'sarah.anderson@example.com', '9012345678', '606 Fir St, City');

INSERT INTO Employees VALUES (10, 'Kevin', 'Taylor', 50, 'IT', 80000, '2015-01-12',

'kevin.taylor@example.com', '8012894567', '609 Fir St, City');

-- fetch some values

SELECT * FROM Employees;

--QUERY 1

INSERT INTO Employees (EmployeesID, FirstName, Age, Department, Salary,
PhoneNumber)

VALUES (11, 'hasnine', 19, 'CSE', 75000.00, '01309992520');

--QUERY 2

SELECT * FROM Employees;

--QUERY 3

SELECT FirstName, LastName, Department

FROM Employees

WHERE Department = 'IT';

--QUERY 4

UPDATE Employees

SET Salary = 80000.00

WHERE EmployeesID = 11;

--QUERY 5

DELETE FROM Employees

WHERE EmployeesID = 11;

--QUERY 6

SELECT *

FROM Employees

WHERE Salary > 70000.00;

--QUERY 7

SELECT *
```

```

FROM Employees
WHERE DateOfJoining > '2023-01-01';

--QUERY 8

SELECT COUNT(*)
FROM Employees
WHERE Department = 'IT';

--QUERY 9

SELECT FirstName, LastName, Age
FROM Employees
WHERE Age > 40;

--QUERY 10

SELECT Department, AVG(Salary) AS AverageSalary
FROM Employees
GROUP BY Department;

```

❖ **Output:**

```

1|John|Doe|30|IT|70000|2023-09-01|john.doe@example.com|1234567890|123 Main St, City
2|Jane|Smith|28|HR|55000|2021-03-15|jane.smith@example.com|12345678901|456 Oak St, City
3|Alice|Brown|35|Marketing|65000|2019-07-20|alice.brown@example.com|3456789012|789 Pine St, City
4|Bob|Johnson|40|Sales|60000|2018-05-10|bob.johnson@example.com|4567890123|101 Maple St, City
5|Emily|Davis|25|IT|72000|2022-10-01|emily.davis@example.com|5678901234|202 Birch St, City
6|Mike|Wilson|45|HR|58000|2017-02-28|mike.wilson@example.com|6789012345|303 Cedar St, City
7|Linda|Martin|32|IT|75000|2023-08-15|linda.martin@example.com|7890123456|404 Spruce St, City
8|David|Lee|38|Marketing|67000|2020-06-05|david.lee@example.com|8901234567|505 Walnut St, City
9|Sarah|Anderson|29|Sales|63000|2021-11-25|sarah.anderson@example.com|9012345678|606 Fir St, City
10|Kevin|Taylor|50|IT|80000|2015-01-12|kevin.taylor@example.com|8012894567|609 Fir St, City
1|John|Doe|30|IT|70000|2023-09-01|john.doe@example.com|1234567890|123 Main St, City
2|Jane|Smith|28|HR|55000|2021-03-15|jane.smith@example.com|12345678901|456 Oak St, City
3|Alice|Brown|35|Marketing|65000|2019-07-20|alice.brown@example.com|3456789012|789 Pine St, City
4|Bob|Johnson|40|Sales|60000|2018-05-10|bob.johnson@example.com|4567890123|101 Maple St, City
5|Emily|Davis|25|IT|72000|2022-10-01|emily.davis@example.com|5678901234|202 Birch St, City
6|Mike|Wilson|45|HR|58000|2017-02-28|mike.wilson@example.com|6789012345|303 Cedar St, City

```

```
7|Linda|Martin|32|IT|75000|2023-08-15|linda.martin@example.com|7890123456|404 Spruce St, City
8|David|Lee|38|Marketing|67000|2020-06-05|david.lee@example.com|8901234567|505 Walnut St, City
9|Sarah|Anderson|29|Sales|63000|2021-11-25|sarah.anderson@example.com|9012345678|606 Fir St, City
10|Kevin|Taylor|50|IT|80000|2015-01-12|kevin.taylor@example.com|8012894567|609 Fir St, City
11|hasnine||19|CSE|75000|||01309992520|
John|Doe|IT
Emily|Davis|IT
Linda|Martin|IT
Kevin|Taylor|IT
5|Emily|Davis|25|IT|72000|2022-10-01|emily.davis@example.com|5678901234|202 Birch St, City
7|Linda|Martin|32|IT|75000|2023-08-15|linda.martin@example.com|7890123456|404 Spruce St, City
10|Kevin|Taylor|50|IT|80000|2015-01-12|kevin.taylor@example.com|8012894567|609 Fir St, City
1|John|Doe|30|IT|70000|2023-09-01|john.doe@example.com|1234567890|123 Main St, City
7|Linda|Martin|32|IT|75000|2023-08-15|linda.martin@example.com|7890123456|404 Spruce St, City
4
Mike|Wilson|45
```

```
Kevin|Taylor|50
HR|56500.0
IT|74250.0
Marketing|66000.0
Sales|61500.0
```

```
[Execution complete with exit code 0]
```