```
mysql> CREATE TABLE Employee (
    ->    id INT AUTO_INCREMENT PRIMARY KEY,
    ->    name VARCHAR(50) NOT NULL,
    ->    department VARCHAR(50) NOT NULL,
    ->    salary DECIMAL(10, 2) NOT NULL
    -> );
Query OK, 0 rows affected (0.10 sec)

mysql> INSERT INTO Employee (name, department, salary)
    -> VALUES
    ->    ('John Doe', 'Sales', 22000),
    ->    ('Jane Doe', 'Marketing', 25000),
    ->    ('Jim Smith', 'IT', 28000),
    ->    ('Sara Lee', 'HR', 21000),
    ->    ('Tom Cruise', 'Finance', 29000),
    ->    ('Brad Pitt', 'Sales', 23000),
    ->    ('Angelina Jolie', 'Marketing', 26000),
    ->    ('Robert Downey Jr.', 'IT', 27000),
    ->    ('Chris Evans', 'HR', 20000),
    ->    ('Scarlett Johansson', 'Finance', 30000),
    ->    ('Mark Zuckerberg', 'Sales', 24000),
    ->    ('Bill Gates', 'Marketing', 26000),
    ->    ('Steve Jobs', 'IT', 28000),
    ->    ('Elon Musk', 'HR', 22000),
    ->    ('Jeff Bezos', 'Finance', 29000),
    ->    ('Larry Page', 'Sales', 23000),
    ->    ('Sergey Brin', 'Marketing', 25000),
    ->    ('Jack Ma', 'IT', 27000),
    ->    ('Larry Ellison', 'HR', 26000),
    ->    ('Warren Buffett', 'Finance', 31000),
    ->    ('Michael Dell', 'Sales', 24000),
    ->    ('Steve Ballmer', 'Marketing', 25000),
    ->    ('Paul Allen', 'IT', 28000),
    ->    ('Charles Koch', 'HR', 22000),
    ->    ('David Koch', 'Finance', 29000),
```

```
    ->    ('Francois Pinault', 'Sales', 25000),
    ->    ('Bernard Arnault', 'Marketing', 27000),
    ->    ('Larry Fink', 'IT', 28000),
    ->    ('Jim Simons', 'HR', 25000);
Query OK, 29 rows affected (0.04 sec)
Records: 29  Duplicates: 0  Warnings: 0

mysql> DELIMITER $$
mysql> CREATE PROCEDURE display_employee_records ()
    -> BEGIN
    ->    DECLARE done INT DEFAULT 0;
    ->    DECLARE emp_id, emp_salary INT;
    ->    DECLARE emp_name, emp_department VARCHAR(50);
    ->    DECLARE cur CURSOR FOR SELECT id, name, department, salary FROM Employee;
    ->    DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;
    -> OPEN cur;
    ->    REPEAT
    ->      FETCH cur INTO emp_id, emp_name, emp_department, emp_salary;
    ->      IF NOT done THEN
    ->        SELECT emp_id, emp_name, emp_department, emp_salary;
    ->      END IF;
    ->    UNTIL done END REPEAT;
    ->  CLOSE cur;
    -> END $$
Query OK, 0 rows affected (0.06 sec)
```

```
mysql> DELIMITER ;
mysql> CALL display_employee_records();
+--------+----------+----------------+------------+
| emp_id | emp_name | emp_department | emp_salary |
+--------+----------+----------------+------------+
|      1 | John Doe | Sales          |      22000 |
+--------+----------+----------------+------------+
1 row in set (0.04 sec)

+--------+----------+----------------+------------+
| emp_id | emp_name | emp_department | emp_salary |
+--------+----------+----------------+------------+
|      2 | Jane Doe | Marketing      |      25000 |
+--------+----------+----------------+------------+
1 row in set (0.04 sec)

+--------+-----------+----------------+------------+
| emp_id | emp_name  | emp_department | emp_salary |
+--------+-----------+----------------+------------+
|      3 | Jim Smith | IT             |      28000 |
+--------+-----------+----------------+------------+
1 row in set (0.05 sec)

+--------+----------+----------------+------------+
| emp_id | emp_name | emp_department | emp_salary |
+--------+----------+----------------+------------+
|      4 | Sara Lee | HR             |      21000 |
+--------+----------+----------------+------------+
1 row in set (0.06 sec)

+--------+------------+----------------+------------+
| emp_id | emp_name   | emp_department | emp_salary |
+--------+------------+----------------+------------+
|      5 | Tom Cruise | Finance        |      29000 |
+--------+------------+----------------+------------+
```

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+--------+-----------+----------------+------------+
| emp_id | emp_name  | emp_department | emp_salary |
+--------+-----------+----------------+------------+
|      6 | Brad Pitt | Sales          |      23000 |
+--------+-----------+----------------+------------+
1 row in set (0.07 sec)

+--------+----------------+----------------+------------+
| emp_id | emp_name       | emp_department | emp_salary |
+--------+----------------+----------------+------------+
|      7 | Angelina Jolie | Marketing      |      26000 |
+--------+----------------+----------------+------------+
1 row in set (0.08 sec)

+--------+-------------------+----------------+------------+
| emp_id | emp_name          | emp_department | emp_salary |
+--------+-------------------+----------------+------------+
|      8 | Robert Downey Jr. | IT             |      27000 |
+--------+-------------------+----------------+------------+
1 row in set (0.08 sec)

+--------+-------------+----------------+------------+
| emp_id | emp_name    | emp_department | emp_salary |
+--------+-------------+----------------+------------+
|      9 | Chris Evans | HR             |      20000 |
+--------+-------------+----------------+------------+
1 row in set (0.09 sec)

+--------+--------------------+----------------+------------+
| emp_id | emp_name           | emp_department | emp_salary |
+--------+--------------------+----------------+------------+
|     10 | Scarlett Johansson | Finance        |      30000 |
+--------+--------------------+----------------+------------+
1 row in set (0.09 sec)
```

```
+--------+------------------+----------------+------------+
| emp_id | emp_name         | emp_department | emp_salary |
+--------+------------------+----------------+------------+
|     11 | Mark Zuckerberg  | Sales          |      24000 |
+--------+------------------+----------------+------------+
1 row in set (0.10 sec)

+--------+------------+----------------+------------+
| emp_id | emp_name   | emp_department | emp_salary |
+--------+------------+----------------+------------+
|     12 | Bill Gates | Marketing      |      26000 |
+--------+------------+----------------+------------+
1 row in set (0.10 sec)

+--------+------------+----------------+------------+
| emp_id | emp_name   | emp_department | emp_salary |
+--------+------------+----------------+------------+
|     13 | Steve Jobs | IT             |      28000 |
+--------+------------+----------------+------------+
1 row in set (0.11 sec)

+--------+------------+----------------+------------+
| emp_id | emp_name   | emp_department | emp_salary |
+--------+------------+----------------+------------+
|     14 | Elon Musk  | HR             |      22000 |
+--------+------------+----------------+------------+
1 row in set (0.11 sec)

+--------+------------+----------------+------------+
| emp_id | emp_name   | emp_department | emp_salary |
+--------+------------+----------------+------------+
|     15 | Jeff Bezos | Finance        |      29000 |
+--------+------------+----------------+------------+
1 row in set (0.12 sec)
```

```
+--------+-------------+----------------+------------+
| emp_id | emp_name    | emp_department | emp_salary |
+--------+-------------+----------------+------------+
|     16 | Larry Page  | Sales          |      23000 |
+--------+-------------+----------------+------------+
1 row in set (0.12 sec)

+--------+-------------+----------------+------------+
| emp_id | emp_name    | emp_department | emp_salary |
+--------+-------------+----------------+------------+
|     17 | Sergey Brin | Marketing      |      25000 |
+--------+-------------+----------------+------------+
1 row in set (0.12 sec)

+--------+----------+----------------+------------+
| emp_id | emp_name | emp_department | emp_salary |
+--------+----------+----------------+------------+
|     18 | Jack Ma  | IT             |      27000 |
+--------+----------+----------------+------------+
1 row in set (0.13 sec)

+--------+---------------+----------------+------------+
| emp_id | emp_name      | emp_department | emp_salary |
+--------+---------------+----------------+------------+
|     19 | Larry Ellison | HR             |      26000 |
+--------+---------------+----------------+------------+
1 row in set (0.13 sec)

+--------+----------------+----------------+------------+
| emp_id | emp_name       | emp_department | emp_salary |
+--------+----------------+----------------+------------+
|     20 | Warren Buffett | Finance        |      31000 |
+--------+----------------+----------------+------------+
1 row in set (0.14 sec)
```

```
+--------+--------------+----------------+------------+
| emp_id | emp_name     | emp_department | emp_salary |
+--------+--------------+----------------+------------+
|     21 | Michael Dell | Sales          |      24000 |
+--------+--------------+----------------+------------+
1 row in set (0.14 sec)


+--------+---------------+----------------+------------+
| emp_id | emp_name      | emp_department | emp_salary |
+--------+---------------+----------------+------------+
|     22 | Steve Ballmer | Marketing      |      25000 |
+--------+---------------+----------------+------------+
1 row in set (0.15 sec)


+--------+------------+----------------+------------+
| emp_id | emp_name   | emp_department | emp_salary |
+--------+------------+----------------+------------+
|     23 | Paul Allen | IT             |      28000 |
+--------+------------+----------------+------------+
1 row in set (0.15 sec)


+--------+--------------+----------------+------------+
| emp_id | emp_name     | emp_department | emp_salary |
+--------+--------------+----------------+------------+
|     24 | Charles Koch | HR             |      22000 |
+--------+--------------+----------------+------------+
1 row in set (0.15 sec)


+--------+------------+----------------+------------+
| emp_id | emp_name   | emp_department | emp_salary |
+--------+------------+----------------+------------+
|     25 | David Koch | Finance        |      29000 |
+--------+------------+----------------+------------+
1 row in set (0.16 sec)
```

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+--------+-----------------+-----------------+------------+
| emp_id | emp_name        | emp_department  | emp_salary |
+--------+-----------------+-----------------+------------+
|     26 | Francois Pinault | Sales          |      25000 |
+--------+-----------------+-----------------+------------+
1 row in set (0.16 sec)

+--------+-----------------+-----------------+------------+
| emp_id | emp_name        | emp_department  | emp_salary |
+--------+-----------------+-----------------+------------+
|     27 | Bernard Arnault | Marketing       |      27000 |
+--------+-----------------+-----------------+------------+
1 row in set (0.17 sec)

+--------+-------------+-----------------+------------+
| emp_id | emp_name    | emp_department  | emp_salary |
+--------+-------------+-----------------+------------+
|     28 | Larry Fink  | IT              |      28000 |
+--------+-------------+-----------------+------------+
1 row in set (0.17 sec)

+--------+-------------+-----------------+------------+
| emp_id | emp_name    | emp_department  | emp_salary |
+--------+-------------+-----------------+------------+
|     29 | Jim Simons  | HR              |      25000 |
+--------+-------------+-----------------+------------+
1 row in set (0.18 sec)

Query OK, 0 rows affected (0.18 sec)
```