

```
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 (0.00 sec)

mysql> DELIMITER ;
mysql>
mysql> CALL display_employee_records();
+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 1 | John Doe | Sales | 22000 |
+-----+-----+-----+-----+
1 row in set (0.00 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 2 | Jane Doe | Marketing | 25000 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 3 | Jim Smith | IT | 28000 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 4 | Sara Lee | HR | 21000 |
+-----+-----+-----+-----+
1 row in set (0.01 sec)
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```
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 (0.02 sec)

mysql>
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 (0.01 sec)
Records: 29 Duplicates: 0 Warnings: 0

mysql>
mysql> DELIMITER $$
mysql> CREATE PROCEDURE display_employee_records ()
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-> DECLARE cur CURSOR FOR SELECT id, name, department, salary FROM Employee;
```

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+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 23 | Paul Allen | IT | 28000 |
+-----+-----+-----+-----+
1 row in set (0.02 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 24 | Charles Koch | HR | 22000 |
+-----+-----+-----+-----+
1 row in set (0.02 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 25 | David Koch | Finance | 29000 |
+-----+-----+-----+-----+
1 row in set (0.02 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 26 | Francois Pinault | Sales | 25000 |
+-----+-----+-----+-----+
1 row in set (0.02 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 27 | Bernard Arnault | Marketing | 27000 |
+-----+-----+-----+-----+
1 row in set (0.02 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 28 | Larry Fink | IT | 28000 |
+-----+-----+-----+-----+
1 row in set (0.02 sec)

+-----+-----+-----+-----+
| emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+
| 29 | Jim Simons | HR | 25000 |
+-----+-----+-----+-----+
1 row in set (0.03 sec)

Query OK, 0 rows affected (0.03 sec)
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