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mysql> use sys;
Database changed
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 (0.01 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),
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mysql>
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 (0.00 sec)

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

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

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+-----+-----+-----+-----+
emp_id | emp_name | emp_department | emp_salary |
+-----+-----+-----+-----+

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