

```
mysql> CREATE TABLE employees (
->     employee_id INT PRIMARY KEY,
->     name VARCHAR(50),
->     phone VARCHAR(15),
->     department VARCHAR(30),
->     salary DECIMAL(10, 2),
->     quota DECIMAL(10, 2),
->     sales DECIMAL(10, 2)
-> );
```

Query OK, 0 rows affected (0.02 sec)

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[mysql>
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```
mysql> INSERT INTO employees (employee_id, name, phone, department, salary, quota, sales) VALUES
-> (1, 'John Doe', '123-456-7890', 'HR', 50000.00, 20000.00, 25000.00),
-> (2, 'Jane Smith', '987-654-3210', 'Finance', 60000.00, 30000.00, 29000.00),
-> (3, 'Emily Davis', '555-123-4567', 'Engineering', 75000.00, 40000.00, 45000.00),
-> (4, 'Michael Brown', '444-222-3333', 'Marketing', 55000.00, 25000.00, 20000.00),
-> (5, 'Sarah Johnson', '999-888-7777', 'Sales', 65000.00, 35000.00, 33000.00),
-> (6, 'Chris Wilson', '333-555-6666', 'IT', 72000.00, 30000.00, 31000.00),
-> (7, 'David Lee', '777-444-5555', 'Engineering', 80000.00, 45000.00, 47000.00)
-> ;
```

Query OK, 7 rows affected (0.01 sec)
Records: 7 Duplicates: 0 Warnings: 0

```
mysql>
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```
mysql> select * from employees;
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employee_id	name	phone	department	salary	quota	sales
1	John Doe	123-456-7890	HR	50000.00	20000.00	25000.00
2	Jane Smith	987-654-3210	Finance	60000.00	30000.00	29000.00
3	Emily Davis	555-123-4567	Engineering	75000.00	40000.00	45000.00
4	Michael Brown	444-222-3333	Marketing	55000.00	25000.00	20000.00
5	Sarah Johnson	999-888-7777	Sales	65000.00	35000.00	33000.00
6	Chris Wilson	333-555-6666	IT	72000.00	30000.00	31000.00
7	David Lee	777-444-5555	Engineering	80000.00	45000.00	47000.00

7 rows in set (0.00 sec)

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mysql> █
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yshvrd — docker exec -it mysqlContainer bash — docker — docker exec -it mysqlContainer bash —...
mysql> DELIMITER //
mysql>
mysql> CREATE PROCEDURE give_bonus()
-> BEGIN
->     DECLARE bonus_percentage DECIMAL(3, 2) DEFAULT 0.1;
->     DECLARE emp_id INT;
->     DECLARE emp_sales DECIMAL(10, 2);
->     DECLARE emp_quota DECIMAL(10, 2);
->     DECLARE done INT DEFAULT FALSE;
->
->     DECLARE emp_cursor CURSOR FOR
->         SELECT employee_id, sales, quota FROM employees;
->
->     DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = TRUE;
->
->     OPEN emp_cursor;
->
->     emp_loop: LOOP
->         FETCH emp_cursor INTO emp_id, emp_sales, emp_quota;
->
->         IF done THEN
->             LEAVE emp_loop;
->         END IF;
->
->         IF emp_sales > emp_quota THEN
->             UPDATE employees
->             SET salary = salary + (emp_sales * bonus_percentage)
->             WHERE employee_id = emp_id;
->         END IF;
->     END LOOP;
->     CLOSE emp_cursor;
-> END //
Query OK, 0 rows affected (0.00 sec)

mysql>
mysql> DELIMITER ;
mysql>
```

```
yshvrd — docker exec -it mysqlContainer bash — docker — docker exec -it mysqlContainer bash — 96x33
mysql>
mysql> select * from employees;
+-----+-----+-----+-----+-----+-----+-----+
| employee_id | name       | phone       | department | salary  | quota   | sales  |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | John Doe   | 123-456-7890 | HR         | 50000.00 | 20000.00 | 25000.00 |
| 2 | Jane Smith | 987-654-3210 | Finance    | 60000.00 | 30000.00 | 29000.00 |
| 3 | Emily Davis | 555-123-4567 | Engineering | 75000.00 | 40000.00 | 45000.00 |
| 4 | Michael Brown | 444-222-3333 | Marketing  | 55000.00 | 25000.00 | 20000.00 |
| 5 | Sarah Johnson | 999-888-7777 | Sales      | 65000.00 | 35000.00 | 33000.00 |
| 6 | Chris Wilson | 333-555-6666 | IT         | 72000.00 | 30000.00 | 31000.00 |
| 7 | David Lee   | 777-444-5555 | Engineering | 80000.00 | 45000.00 | 47000.00 |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql> CALL give_bonus();
Query OK, 0 rows affected (0.02 sec)

mysql> select * from employees;
+-----+-----+-----+-----+-----+-----+-----+
| employee_id | name       | phone       | department | salary  | quota   | sales  |
+-----+-----+-----+-----+-----+-----+-----+
| 1 | John Doe   | 123-456-7890 | HR         | 52500.00 | 20000.00 | 25000.00 |
| 2 | Jane Smith | 987-654-3210 | Finance    | 60000.00 | 30000.00 | 29000.00 |
| 3 | Emily Davis | 555-123-4567 | Engineering | 79500.00 | 40000.00 | 45000.00 |
| 4 | Michael Brown | 444-222-3333 | Marketing  | 55000.00 | 25000.00 | 20000.00 |
| 5 | Sarah Johnson | 999-888-7777 | Sales      | 65000.00 | 35000.00 | 33000.00 |
| 6 | Chris Wilson | 333-555-6666 | IT         | 75100.00 | 30000.00 | 31000.00 |
| 7 | David Lee   | 777-444-5555 | Engineering | 84700.00 | 45000.00 | 47000.00 |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.00 sec)

mysql>
```