

Experiment 9

TABLE EMP:

```
mysql> drop table emp;
Query OK, 0 rows affected (0.01 sec)

mysql> create table emp(e_id int(20) PRIMARY KEY, salary int(20));
Query OK, 0 rows affected, 2 warnings (0.04 sec)

mysql> desc emp;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| e_id  | int  | NO   | PRI | NULL    |       |
| salary | int  | NO   |     | NULL    |       |
```

IN TYPE:

```
mysql> Delimiter $$
mysql> create procedure p1( in p_id int , in p_sal decimal(10,2))
-> begin
-> insert into emp(e_id, salary) values(p_id, p_sal);
-> select 'value inserted.' as message;
-> end $$
```

```
mysql> ;
mysql> call p1(1,3000);
+-----+
| message          |
+-----+
| value inserted. |
+-----+
1 row in set (0.00 sec)
```

OUT:

```
mysql> Delimiter $$
mysql> create procedure get_salary(in p_id int, out p_sal decimal(10,2))
    -> begin
    -> select salary into p_sal from emp where e_id = p_id;
    -> end $$
Query OK, 0 rows affected (0.02 sec)

mysql> Delimiter ;
mysql> select @output_salary = 0;
+-----+
| @output_salary = 0 |
+-----+
|                NULL |
+-----+
1 row in set (0.00 sec)

mysql> select @out_salary as salary;
+-----+
| salary |
+-----+
```

IN OUT TYPE:

```
mysql> Delimiter $$
mysql> create procedure update_salary(in p_id int, inout p_sal decimal(10,2))
    -> begin
    -> select salary into p_sal from emp where e_id = p_id;
    -> set p_sal = p_sal + 500;
    -> update emp set salary = p_sal where e_id = p_id;
    -> end $$
Query OK, 0 rows affected (0.00 sec)

mysql> Delimiter ;
mysql> set @update_salary = 0;
Query OK, 0 rows affected (0.00 sec)

mysql> call update_salary(1,@updated_salary);
Query OK, 1 row affected (0.03 sec)

mysql> select @updated_salary as updated_salary;
+-----+
| updated salary |
+-----+
```