

Chapter 15

How to create stored procedures and functions

Exercises

1) Write a script that creates and calls a stored procedure named `insert_category`. First, code a statement that creates a procedure that adds a new row to the `Categories` table. To do that, this procedure should have one parameter for the category name.

Code the following two `CALL` statements that test this procedure. (Note that this table doesn't allow duplicate category names.)

```
-- Test fail:
```

```
CALL insert_category('Guitar');
```

```
-- Test success:
```

```
CALL insert_category('New Category');
```

```
-- Clean up:
```

```
DELETE FROM categories WHERE category_id = LAST_INSERT_ID();
```

2) Write a script that creates and calls a stored function named `discount_price` that calculates the discount price of an item in the `Order_Items` table (discount amount subtracted from item price). To do that, this function should accept one parameter for the item ID, and it should return the value of the discount price for that item. Test with sql statement below:

```
SELECT item_id, item_price, discount_amount,
```

```
    discount_price(item_id)
```

```
FROM order_items;
```