Database hw5

```
CREATE DATABASE my database;
USE my_database;
[mysql> CREATE DATABASE my_database;
 Query OK, 1 row affected (0.00 sec)
[mvsql> CREATE DATABASE mv database;
 ERROR 1007 (HY000): Can't create database 'm
[mysql> USE my_database;
 Database changed
 mysql> CREATE TABLE StudentGrades (
       -> student_id INT PRIMARY KEY,
       -> grade INT
       -> );
 Query OK, 0 rows affected (0.04 sec)
INSERT INTO StudentGrades (student_id, grade) VALUES (1, 85);
INSERT INTO StudentGrades (student id, grade) VALUES (2, 73);
INSERT INTO StudentGrades (student id, grade) VALUES (3, 91);
INSERT INTO StudentGrades (student_id, grade) VALUES (4, 67);
INSERT INTO StudentGrades (student id, grade) VALUES (5, 59);
DELIMITER $$
CREATE PROCEDURE GradeDistribution()
BEGIN
   DECLARE v 0 60 INT DEFAULT 0;
   DECLARE v 60 70 INT DEFAULT 0;
   DECLARE v 70 80 INT DEFAULT 0;
   DECLARE v 80 90 INT DEFAULT 0;
   DECLARE v 90 100 INT DEFAULT 0;
   SELECT COUNT(*) INTO v_0_60 FROM StudentGrades WHERE grade BETWEEN 0 AND 59;
   SELECT COUNT(*) INTO v 60 70 FROM StudentGrades WHERE grade BETWEEN 60 AND 69;
   SELECT COUNT(*) INTO v 70 80 FROM StudentGrades WHERE grade BETWEEN 70 AND 79;
   SELECT COUNT(*) INTO v_80_90 FROM StudentGrades WHERE grade BETWEEN 80 AND 89;
   SELECT COUNT(*) INTO v 90 100 FROM StudentGrades WHERE grade BETWEEN 90 AND 100;
   SELECT CONCAT('0~59 分数段人数: ', v_0_60) AS result;
```

```
SELECT CONCAT('60~69 分数段人数: ', v_60_70) AS result;
SELECT CONCAT('70~79 分数段人数: ', v_70_80) AS result;
SELECT CONCAT('80~89 分数段人数: ', v_80_90) AS result;
SELECT CONCAT('90~100 分数段人数: ', v_90_100) AS result;
END $$

DELIMITER;
```

```
CALL GradeDistribution();
-- 调用
```