**Create the Necessary Tables**

mysql> CREATE TABLE studmarks (

-> name VARCHAR(25),

-> marks INT

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> CREATE TABLE result (

-> rollno INT,

-> name VARCHAR(25),

-> class VARCHAR(25)

-> );

ERROR 1050 (42S01): Table 'result' already exists

mysql> desc result;

+-------------+-------------+------+-----+---------+-------+

| Field | Type | Null | Key | Default | Extra |

+-------------+-------------+------+-----+---------+-------+

| roll\_number | int | YES | | NULL | |

| name | varchar(25) | YES | | NULL | |

| class | varchar(30) | YES | | NULL | |

+-------------+-------------+------+-----+---------+-------+

3 rows in set (0.01 sec)

mysql> DELIMITER //

mysql>

mysql> CREATE PROCEDURE proc\_grade(IN rollno INT, IN name VARCHAR(15), IN marks INT)

-> BEGIN

-> DECLARE class VARCHAR(25);

->

-> IF marks >= 990 AND marks <= 1500 THEN

-> SET class = 'Distinction';

-> ELSEIF marks <= 989 AND marks >= 900 THEN

-> SET class = 'First Class';

-> ELSEIF marks <= 899 AND marks >= 825 THEN

-> SET class = 'Higher Second Class';

-> ELSEIF marks <= 824 AND marks >= 700 THEN

-> SET class = 'Pass';

-> ELSE

-> SET class = 'Fail';

-> END IF;

->

-> INSERT INTO studmarks (name, marks) VALUES (name, marks);

-> INSERT INTO result (rollno, name, class) VALUES (rollno, name, class);

-> END //

Query OK, 0 rows affected (0.02 sec)

mysql>

mysql> CREATE TABLE result (

-> rollno INT,

-> name VARCHAR(25),

-> class VARCHAR(25)

-> );

Query OK, 0 rows affected (0.02 sec)

mysql> CALL proc\_grade(101, 'John', 950);

Query OK, 1 row affected (0.01 sec)

mysql> CALL proc\_grade(101, 'John', 950);

Query OK, 1 row affected (0.01 sec)

mysql> CALL proc\_grade(102, 'Alice', 880);

Query OK, 1 row affected (0.00 sec)

mysql> CALL proc\_grade(103, 'Bob', 750);

Query OK, 1 row affected (0.00 sec)

mysql> CALL proc\_grade(104, 'Carol', 1200);

Query OK, 1 row affected (0.00 sec)

mysql> SELECT \* FROM studmarks;

+-------+-------+

| name | marks |

+-------+-------+

| John | 950 |

| Alice | 880 |

| Bob | 750 |

| Carol | 1200 |

| John | 950 |

| John | 950 |

| John | 950 |

| Alice | 880 |

| Bob | 750 |

| Carol | 1200 |

+-------+-------+

10 rows in set (0.00 sec)

mysql> SELECT \* FROM result;

+--------+-------+---------------------+

| rollno | name | class |

+--------+-------+---------------------+

| 101 | John | First Class |

| 101 | John | First Class |

| 102 | Alice | Higher Second Class |

| 103 | Bob | Pass |

| 104 | Carol | Distinction |

+--------+-------+---------------------+

5 rows in set (0.00 sec)