mysql> create table stud\_marks (name varchar(20), marks int);

Query OK, 0 rows affected (0.05 sec)

mysql> desc stud\_marks;

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

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

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

| name | varchar(20) | YES | | NULL | |

| marks | int(11) | YES | | NULL | |

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

2 rows in set (0.00 sec)

mysql> create table result (roll int, name varchar(20), class varchar(20));

Query OK, 0 rows affected (0.04 sec)

mysql> desc result;

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

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

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

| roll | int(11) | YES | | NULL | |

| name | varchar(20) | YES | | NULL | |

| class | varchar(20) | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> insert into stud\_marks values ('John', 820);

Query OK, 1 row affected (0.01 sec)

mysql> insert into stud\_marks values ('Alice', 860);

Query OK, 1 row affected (0.12 sec)

mysql> insert into stud\_marks values ('Tia', 999);

Query OK, 1 row affected (0.14 sec)

mysql> insert into stud\_marks values ('Kyle', 1340);

Query OK, 1 row affected (0.01 sec)

mysql> insert into stud\_marks values ('Diana', 1100);

Query OK, 1 row affected (0.02 sec)

mysql> insert into stud\_marks values ('Steve', 950);

Query OK, 1 row affected (0.01 sec)

mysql> insert into stud\_marks values ('Olive', 917);

Query OK, 1 row affected (0.01 sec)

mysql> insert into stud\_marks values ('Aiden', 1490);

Query OK, 1 row affected (0.14 sec)

mysql> select\* from stud\_marks;

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

| name | marks |

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

| John | 820 |

| Alice | 860 |

| Tia | 999 |

| Kyle | 1340 |

| Diana | 1100 |

| Steve | 950 |

| Olive | 917 |

| Aiden | 1490 |

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

8 rows in set (0.01 sec)

mysql> delimiter //

mysql> create procedure classify(in vroll int, in vname varchar(20), in vmarks int)

-> begin

-> declare vclass varchar(20);

-> declare sigstate condition for sqlstate '45000';

-> if vmarks>=990 and vmarks<=1500 then

-> set vclass = 'Distinction';

-> elseif vmarks>=900 and vmarks<=989 then

-> set vclass = 'First Class';

-> elseif vmarks>=825 and vmarks<=899 then

-> set vclass = 'Second Class';

-> elseif vmarks>=0 and vmarks<=824 then

-> set vclass = '-';

-> else

-> signal sigstate

-> set message\_text = 'INVALID MARKS!';

-> end if;

-> insert into result values (vroll, vname, vclass);

-> select\* from result where roll=vroll;

-> end;

-> //

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;

mysql> select\* from result;

Empty set (0.00 sec)

mysql> call classify(1, 'John', 820);

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

| roll | name | class |

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

| 1 | John | - |

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

1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> call classify(2, 'Alice', 860);

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

| roll | name | class |

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

| 2 | Alice | Second Class |

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

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.01 sec)

mysql> call classify(3, 'Steve', 950);

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

| roll | name | class |

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

| 3 | Steve | First Class |

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

1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> call classify(4, 'Kyle', 1340);

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

| roll | name | class |

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

| 4 | Kyle | Distinction |

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

1 row in set (0.02 sec)

Query OK, 0 rows affected (0.02 sec)

mysql> select \* from result;

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

| roll | name | class |

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

| 1 | John | - |

| 2 | Alice | Second Class |

| 3 | Steve | First Class |

| 4 | Kyle | Distinction |

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

4 rows in set (0.00 sec)