mysql> use Moon;

Database changed

mysql> create table stud\_marks(roll\_no int(3) primary key,name varchar(20),total\_marks int(10));

Query OK, 0 rows affected, 2 warnings (0.03 sec)

mysql> insert into stud\_marks values(01,"Sumit",1300);

Query OK, 1 row affected (0.01 sec)

mysql> insert into stud\_marks values(02,"jaydip",1100);

Query OK, 1 row affected (0.00 sec)

mysql> insert into stud\_marks values(03,"bankar",950);

Query OK, 1 row affected (0.00 sec)

mysql> insert into stud\_marks values(04,"manish",750);

Query OK, 1 row affected (0.00 sec)

mysql> insert into stud\_marks values(05,"sujal",1050);

Query OK, 1 row affected (0.01 sec)

mysql> create table result(rno1 int(3),name varchar(20),class varchar(30));

Query OK, 0 rows affected, 1 warning (0.03 sec)

mysql> select \* from stud\_marks;

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

| roll\_no | name | total\_marks |

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

| 1 | Sumit | 1300 |

| 2 | jaydip | 1100 |

| 3 | bankar | 950 |

| 4 | manish | 750 |

| 5 | sujal | 1050 |

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

5 rows in set (0.00 sec)

mysql> delimiter //

mysql> create procedure Fgrade32(in rno int,out grade varchar(30))

-> begin

-> declare mark1 int(10);

-> declare name1 varchar(30);

-> declare continue handler for sqlwarning set grade="NOT FOUND";

-> select total\_marks,name into mark1,name1 from stud\_marks where roll\_no=rno;

-> if(mark1>=990 and mark1<=1500)then

-> set grade='Distinction';

-> insert into result values(rno,name1,grade);

-> update result set class="Distinction" where rno=rno1;

-> elseif(mark1>=900 and mark1<=989)then

-> set grade='First Class';

-> insert into result values(rno,name1,grade);

-> update result set class="First class" where rno=rno1;

-> elseif(mark1>=825 and mark1<=899)then

-> set grade='Higher Second Class';

-> insert into result values(rno,name1,grade);

-> update result set class="higher Second class" where rno=rno1;

-> elseif(mark1>=0 and mark1<=824)then

-> set grade="--";

-> insert into result values(rno,name1,grade);

-> update result set class="--" where rno=rno1;

-> end if;

-> end //

Query OK, 0 rows affected, 1 warning (0.00 sec)

mysql>delimiter ;

mysql> delimiter //

mysql> create function func\_grade(rno int)

-> returns varchar(30)

-> DETERMINISTIC

-> begin

-> declare grade varchar(20);

-> call Fgrade32(rno,grade);

-> return grade;

-> end //

Query OK, 0 rows affected (0.06 sec)

mysql> delimiter ;

mysql> select func\_grade(01);

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

| func\_grade(01) |

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

| Distinction |

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

1 row in set (0.01 sec)

mysql> select func\_grade(02);

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

| func\_grade(02) |

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

| Distinction |

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

1 row in set (0.00 sec)

mysql> select func\_grade(03);

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

| func\_grade(03) |

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

| First Class |

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

1 row in set (0.00 sec)

mysql> select func\_grade(04);

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

| func\_grade(04) |

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

| -- |

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

1 row in set (0.00 sec)

mysql> select func\_grade(07);

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

| func\_grade(07) |

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

| NOT FOUND |

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

1 row in set (0.00 sec)

mysql> select \* from result;

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

| rno1 | name | class |

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

| 1 | Sumit | Distinction |

| 2 | jaydip | Distinction |

| 3 | bankar | First class |

| 4 | manish | -- |

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

4 rows in set (0.00 sec)