MariaDB [te31260\_db]> create table stud\_marks( id int primary key auto\_increment, roll int, name varchar(30), total\_marks int);

Query OK, 0 rows affected (0.169 sec)

MariaDB [te31260\_db]> create table result(roll int, name varchar(30), class varchar(30));

Query OK, 0 rows affected (0.171 sec)

MariaDB [te31260\_db]> insert into stud\_marks(roll, name, total\_marks) values(1,"Gayatri", 1450), (2,"Parth", 945), (3,"Sakshi",1460), (4,"Hans",1350) , (5,"Prajwal",970), (6,"Anjali",1300);

Query OK, 6 rows affected (0.023 sec)

Records: 6 Duplicates: 0 Warnings: 0

MariaDB [te31260\_db]> select \* from stud\_marks;

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

| id | roll | name | total\_marks |

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

| 1 | 1 | Gayatri | 1450 |

| 2 | 2 | Parth | 945 |

| 3 | 3 | Sakshi | 1460 |

| 4 | 4 | Hans | 1350 |

| 5 | 5 | Prajwal | 970 |

| 6 | 6 | Anjali | 1300 |

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

6 rows in set (0.001 sec)

MariaDB [te31260\_db]> delimiter $

MariaDB [te31260\_db]> create procedure proc\_result(in marks int, out class char(20))

-> begin

-> if(marks < 1500 && amrks > 990) then

-> set class = 'Distinction';

-> end if;

-> if(marks < 989 && marks > 890) then

-> set class = 'First Class';

-> end if;

-> if(marks <889 && marks > 825) then

-> set class = 'Higher Second Class';

-> end if;

-> if(marks < 824 && marks > 750) then

-> set class = 'Second Class';

-> end if;

-> if( marks < 749 && marks > 650) then

-> set class = 'Passed';

-> end if;

-> if(marks < 649) then

-> set class = 'Fail';

-> end if;

-> end $

MariaDB [te31260\_db]> create function final\_result(rno int) returns int deterministic

-> begin

-> declare fmarks integer;

-> declare grade varchar(30);

-> declare stud\_name varchar(30);

-> declare continue handler for not found begin return 0;

-> end;

-> select sm.total\_marks,

-> sm.name into fmarks,

-> stud\_name

-> from stud\_marks as sm

-> where sm.roll = rno;

->

-> call proc\_result(fmarks, @grade);

->

-> insert into result(roll, name, class)

-> values(rno, stud\_name, @grade);

-> return rno;

-> end;

-> $

Query OK, 0 rows affected (0.065 sec)

MariaDB [te31260\_db]> select final\_result(1);

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

| final\_result(1) |

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

| 1 |

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

1 row in set (0.033 sec)

MariaDB [te31260\_db]> select \* from result;

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

| roll | name | class |

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

| 1 | Gayatri | Distinction |

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

1 row in set (0.001 sec)

MariaDB [te31260\_db]> select final\_result(3)$

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

| final\_result(3) |

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

| 3 |

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

1 row in set (0.036 sec)

MariaDB [te31260\_db]> select \* from result$

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

| roll | name | class |

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

| 1 | Gayatri | Distinction |

| 3 | Sakshi | Distinction |

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

2 rows in set (0.001 sec)