**Assignment Group: A**

**Assignment NO 6**

**Assignment Title**: Write a Stored Procedure namely proc\_Grade for the categorisation of student. If marks scored

by

students in examination is <=1500 and marks>=990 then student will be placed in distinction

category if marks scored are between 989 and 900 category is first class, if marks 899 and 825

category is Higher Second Class.

Write a PL/SQLblock to use procedure created with above requirement.

Stud\_Marks(rollno,name, total\_marks) Result(rollno,Name, Class)

gescoe@gescoe-OptiPlex-3010:~$ mysql -h 192.168.2.232 -u TEB19 -p

Enter password:

Welcome to the MariaDB monitor. Commands end with ; or \g.

Your MySQL connection id is 3

Server version: 5.6.41 MySQL Community Server (GPL)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MySQL [(none)]> use Dipesh;

Database changed

MySQL [Dipesh]> create table stud\_marks(rollno int,name varchar(30),marks int);

Query OK, 0 rows affected (0.378 sec)

MySQL [Dipesh]> create table Result(rollno int,name varchar(30),class varchar(30));

Query OK, 0 rows affected (0.287 sec)

MySQL[Dipesh]>insert into stud\_marks

values(1,'Dipesh',1450),(2,'Umesh',950),(3,'Piyush',860),(4,'Soham',600);

Query OK, 4 rows affected (0.049 sec)

Records: 4 Duplicates: 0 Warnings: 0

MySQL [Dipesh]> select \* from stud\_marks;

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

| rollno | name | marks |

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

| 1 | Dipesh | 1450 |

| 2 | Umesh | 950 |

| 3 | Piyush | 860 |

| 4 | Soham | 600 |

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

4 rows in set (0.001 sec)

MySQL [Dipesh]> select \* from Result;

Empty set (0.001 sec)

MySQL [Dipesh]>

MySQL [Dipesh]> drop procedure if exists proc\_Grade;

Query OK, 0 rows affected, 1 warning (0.000 sec)

MySQL [Dipesh]>

MySQL [Dipesh]> delimiter //

MySQL [Dipesh]>

MySQL [Dipesh]> create procedure proc\_Grade()

-> begin

-> DECLARE done INT default 0;

->

-> declare s\_marks int;

-> declare s\_rollno int;

-> declare s\_name varchar(30);

-> declare s\_class varchar(30);

->

-> declare s\_student cursor For Select rollno, name, marks from stud\_marks;

->

->

-> DECLARE CONTINUE HANDLER FOR NOT FOUND SET done = 1;

->

->

-> open s\_student;

->

-> read\_loop: LOOP

-> fetch s\_student into s\_rollno,s\_name,s\_marks;

->

-> IF done = 1 THEN

-> LEAVE read\_loop;

-> END IF;

->

-> if(s\_marks<=1500 and s\_marks>=990) then

-> set s\_class='Distinction';

->

-> elseif(s\_marks<=989 and s\_marks>=900) then

-> set s\_class='First Class';

->

-> elseif (s\_marks<=899 and s\_marks>=825) then

-> set s\_class='Higher Second Class';

->

-> else

-> set s\_class='Pass';

->

-> end if;

-> insert into Result(rollno,name,class)values(s\_rollno,s\_name,s\_class);

->

-> END LOOP;

-> close s\_student;

-> end;

-> //

Query OK, 0 rows affected (0.001 sec)

MySQL [Dipesh]>

MySQL [Dipesh]> delimiter ;

MySQL [Dipesh]> call proc\_Grade();

Query OK, 0 rows affected (0.304 sec)

MySQL [Dipesh]> select \* from Result;

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

| rollno | name | class |

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

| 1 | Dipesh | Distinction |

| 2 | Umesh | First Class |

| 3 | Piyush | Higher Secondary class |

| 4 | Soham | Pass |

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

4 rows in set (0.001 sec)

MySQL [Dipesh]>