Create Table student(

Roll\_no int Primary key,

Name varchar(50),

Marks int ,

Category Varchar(50));

insert into student(Roll\_no,Name,Marks)

Values(21,"Atharva",1200),

(22,"Siddhant",950),

(23,"Kiran",870),

(24,"Nishant",800),

(25,"Prathamesh",1300);

select \* from student;

Delimiter //

CREATE PROCEDURE categorize\_students()

BEGIN

UPDATE student

SET category = 'Distinction'

WHERE marks >= 990 AND marks <= 1500;

UPDATE student

SET category = 'First Class'

WHERE marks >= 900 AND marks <= 989;

UPDATE student

SET category = 'Higher Second Class'

WHERE marks >= 825 AND marks <= 899;

UPDATE student

SET category = 'Not Categorised'

WHERE marks < 825;

END //

Delimiter ;

select \* from student;

delimiter //

CREATE FUNCTION get\_category(marks INT)

RETURNS VARCHAR(50)

deterministic

BEGIN

DECLARE category VARCHAR(50);

IF marks >= 990 AND marks <= 1500 THEN

SET category = 'Distinction';

ELSEIF marks >= 900 AND marks <= 989 THEN

SET category = 'First Class';

ELSEIF marks >= 825 AND marks <= 899 THEN

SET category = 'Higher Second Class';

ELSE

SET category = 'Not Categorised';

END IF;

RETURN category;

END //

delimiter ;

SELECT Name, Marks, get\_category(Marks) AS Category

FROM student

WHERE Roll\_no = 21;

SELECT Name, Marks, get\_category(Marks) AS Category

FROM student

WHERE Roll\_no = 22;

SELECT Name, Marks, get\_category(Marks) AS Category

FROM student

WHERE Roll\_no = 23;

SELECT Name, Marks, get\_category(Marks) AS Category

FROM student

WHERE Roll\_no = 24;