Name: Shubham Chemate

Roll Number: 31118 (K-1 Batch)

Subject: DBSL Lab – Assignment 05

**Code:**

CREATE TABLE stud\_marks(

    roll\_num INT NOT NULL PRIMARY KEY,

    stud\_name VARCHAR(200),

    total\_marks INT

);

CREATE TABLE result(

    roll\_num INT NOT NULL PRIMARY KEY,

    stud\_name VARCHAR(200),

    class VARCHAR(300)

);

INSERT INTO stud\_marks(roll\_num, stud\_name, total\_marks)

VALUES (1, 'Alex', 1300),

(2, 'Bob', 980),

(3, 'Natasha', 840);

DELIMITER //

CREATE PROCEDURE proc\_grade(

    IN rn INT

)

BEGIN

    DECLARE sn VARCHAR(200);

    DECLARE marks INT;

    DECLARE cl VARCHAR(300);

    SELECT stud\_name, total\_marks

    INTO sn, marks

    FROM stud\_marks

    WHERE stud\_marks.roll\_num = rn;

    IF marks >= 990 AND marks <= 1500 THEN

        SET cl = 'distinction category';

    ELSEIF marks >= 900 AND marks <= 989 THEN

        SET cl = 'first class';

    ELSEIF marks >= 825 AND marks <= 899 THEN

        SET cl = 'higher second class';

    ELSE

        SET cl = 'undefined';

    END IF;

    INSERT INTO result (roll\_num, stud\_name, class)

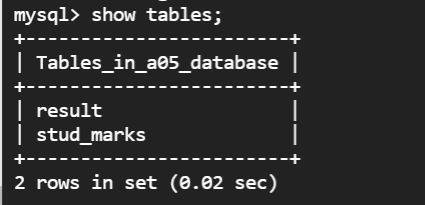
    VALUES (rn, sn, cl);

END //

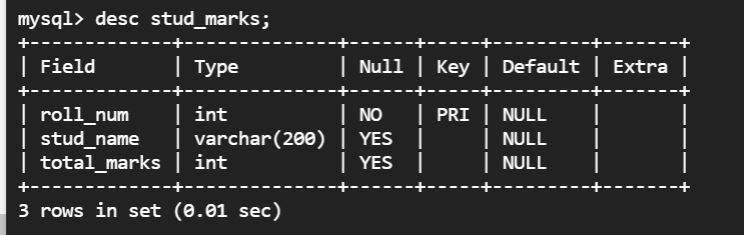
DELIMITER ;

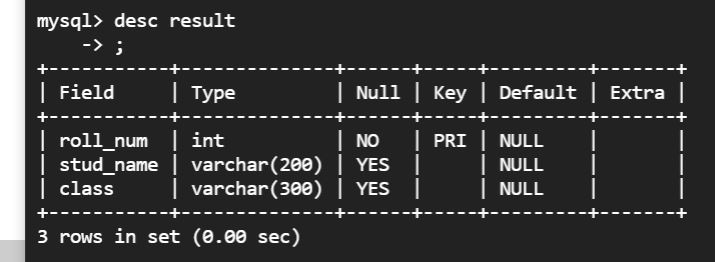
CALL proc\_grade(1);

**Tables in database:**

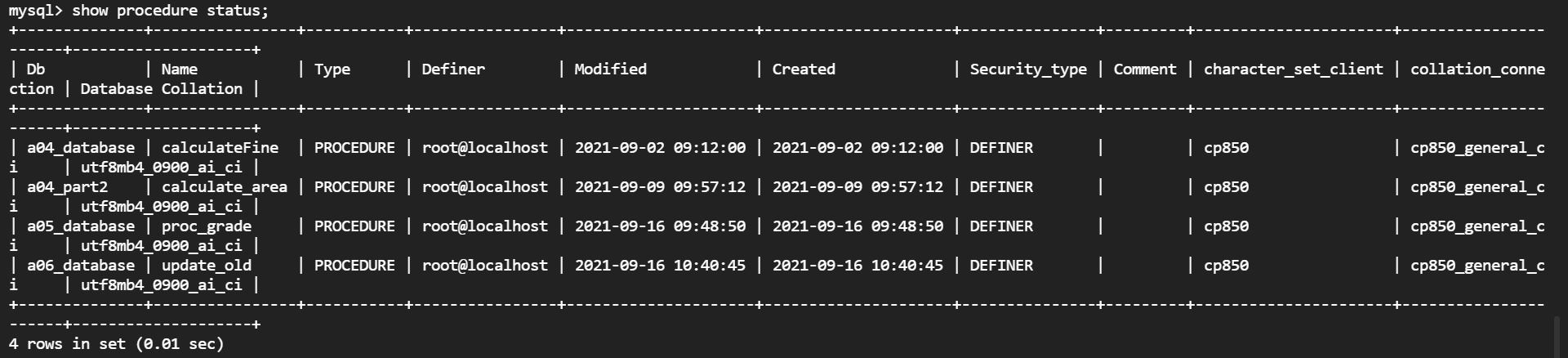


**Schema of Tables:**

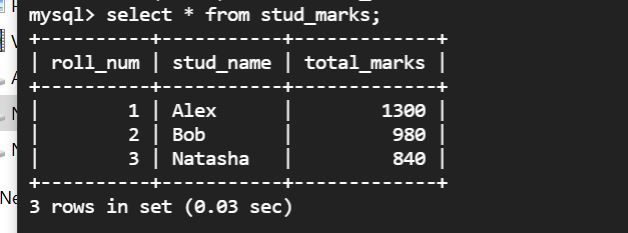


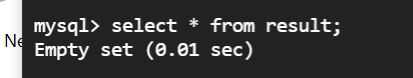


**Stored Procedures:**

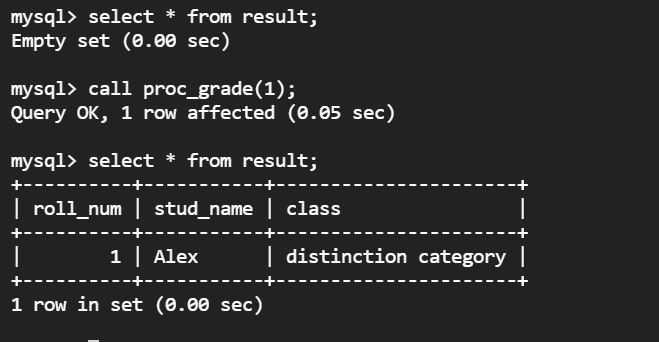


**Initial Table Data:**

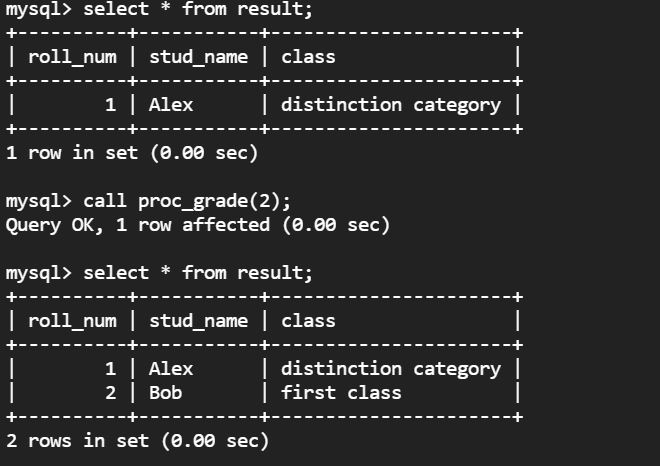




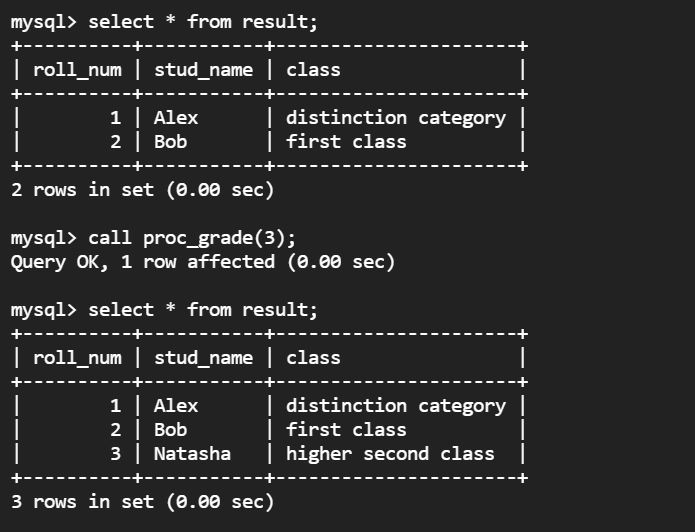
**Calling Stored Procedure for roll number-1:**



**Calling Stored Procedure for roll number-2:**



**Calling Stored Procedure for Roll Number-3:**



Thank You!