-- Step 0: Create and use the database

CREATE DATABASE IF NOT EXISTS two1;

USE two1;

-- Step 1: Create the tables

CREATE TABLE IF NOT EXISTS Stud\_Marks (

name VARCHAR(50),

total\_marks INT

);

CREATE TABLE IF NOT EXISTS Result (

Roll INT AUTO\_INCREMENT PRIMARY KEY,

Name VARCHAR(50),

Class VARCHAR(20)

);

-- Step 2: Create the stored procedure `proc\_Grade` without a cursor

DELIMITER //

CREATE PROCEDURE proc\_Grade()

BEGIN

-- Insert students with 'Distinction' class

INSERT INTO Result (Name, Class)

SELECT name, 'Distinction' FROM Stud\_Marks WHERE total\_marks BETWEEN 990 AND 1500;

-- Insert students with 'First Class'

INSERT INTO Result (Name, Class)

SELECT name, 'First Class' FROM Stud\_Marks WHERE total\_marks BETWEEN 900 AND 989;

-- Insert students with 'Higher Second Class'

INSERT INTO Result (Name, Class)

SELECT name, 'Higher Second Class' FROM Stud\_Marks WHERE total\_marks BETWEEN 825 AND 899;

-- Insert students with 'No Category'

INSERT INTO Result (Name, Class)

SELECT name, 'No Category' FROM Stud\_Marks WHERE total\_marks < 825;

END //

DELIMITER ;

-- Step 3: Insert sample data into `Stud\_Marks`

INSERT INTO Stud\_Marks (name, total\_marks) VALUES

('Alice', 1200),

('Bob', 950),

('Charlie', 880),

('David', 840),

('Eva', 700);

-- Step 4: Call the procedure to categorize students

CALL proc\_Grade();

-- Step 5: View the results

SELECT \* FROM Result;