P4

Problem Statement:

PL/SQL block with exceptions: Stud(Roll, Name, Attendance, Status). Accept roll_no; if attendance <75% display 'Term not granted' and set Status='Detained'; else 'Term granted' and Status='Not Detained'. Handle exceptions.

Code:

```
-- P4: MySQL procedure to check attendance
CREATE TABLE Stud (
  Roll INT PRIMARY KEY,
  Name VARCHAR(100),
  Attendance DOUBLE,
  Status VARCHAR(20)
);


DELIMITER $$
CREATE PROCEDURE check_attendance(IN in_roll INT)
BEGIN
  DECLARE v_att DOUBLE;
  DECLARE CONTINUE HANDLER FOR NOT FOUND
  BEGIN
    SELECT 'Student not found' AS msg;
  END;
  SELECT Attendance INTO v_att FROM Stud WHERE Roll = in_roll;
  IF v_att < 75 THEN
    SELECT 'Term not granted' AS msg;
    UPDATE Stud SET Status='Detained' WHERE Roll = in_roll;
  ELSE
    SELECT 'Term granted' AS msg;
    UPDATE Stud SET Status='Not Detained' WHERE Roll = in_roll;
  END IF;
END$$
DELIMITER ;
```

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