Name: Rishav Kumar   Subject: ADBMS Lab

UID: 22MCC20039   Subject Code: 22CAP-647

1. <u>Aim</u> of <u>practical</u>:

You are given two tables: Students and Grades.
Students contains three columns ID, Name and
Marks.

Column	Type
Name	String
Marks	Integer

Grade	Min_Mark	Max_Mark
1	0	9
2	10	19
3	20	29
4	30	39
5	40	49
6	50	59
7	60	69
8	70	79
9	80	89
10	90	100

4. Tables.

Write a query to display name & grade of students and display name as NULL if grade is less than 8.

2. Code for Table:

Create table Students (ID int, Name varchar(20), Marks int);
insert into Students values (1, "Rishav", 98), (2, "Lucky", 89), &
(3, "Tushar", 72), (4, "Jesr", 65), (5, "Atharav", 58),
(6, "Shika", 92), (7, "Neeti", 85);

Create table Grades (Grade int, Min_Marks int, Max_Marks int);
insert into Grades values (1, 0, 9), (2, 10, 19), (3, 20, 29),
(4, 30, 39), (5, 40, 49), (6, 50, 59), (7, 60, 69), (8, 70, 79)
(9, 80, 89), (10, 90, 100);

3. Query:

Select case
when grades.grade >= 8 then Students.name
when grades.grade < 8 then "NULL"
end as name, grades.grade, students.marks
from students left join grades on Students.marks >=
min_marks and Students.marks <= max_marks
order by grades.grade desc, students.name asc, Students.
marks asc;

4. Tables.

ID	Name	Marks
1	Rishav	98
2	Lucky	89
3	Tushar	72
4	Jesu	65
5	Atharav	58
6	Shika	92
7	Neeti	85

5. Output;

Name	Grade	Marks
Rishav	10	98
Shika	10	92
Lucky	9	89
Neeti	9	85
Tushar	8	72
NULL	7	65
NULL	6	58