# **DBMS WEEK-10**

Consider the schema for College Database: STUDENT(USN, SName, Address, Phone, Gender) SEMSEC(SSID, Sem, Sec) CLASS(USN, SSID) SUBJECT(Subcode, Title, Sem, Credits) IAMARKS(USN, Subcode, SSID, Test1, Test2, Test3, FinalIA) Write SQL queries to:

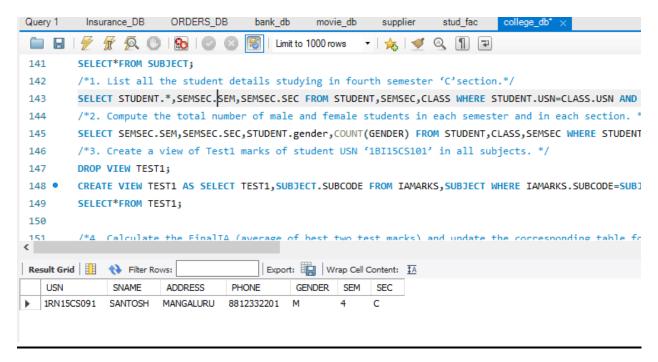
- 1. List all the student details studying in fourth semester 'C'section.
- 2. Compute the total number of male and female students in each semester and in each section.
- 3. Create a view of Test1 marks of student USN '1BI15CS101' in all subjects.
- 4. Calculate the FinalIA (average of best two test marks) and update the corresponding table for all students.
- 5. Categorize students based on the following criterion: If FinalIA = 17 to 20 then CAT = 'Outstanding' If FinalIA = 12 to 16 then CAT = 'Average' If FinalIA

  12 then CAT = 'Weak' Give these details only for 8th semester A, B, and C section students.

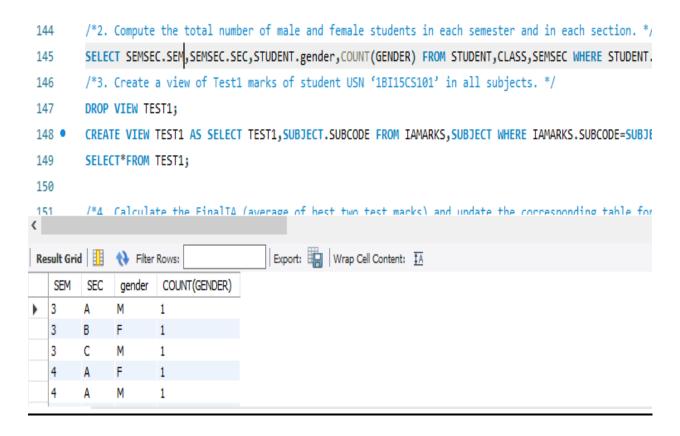
### **OUTPUT:**

1. List all the student details studying in fourth semester 'C'section.

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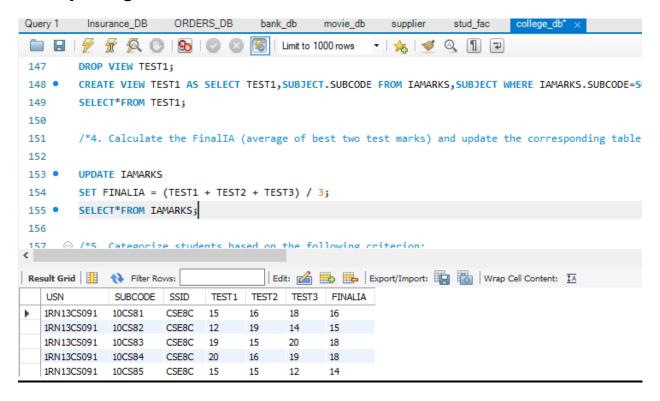
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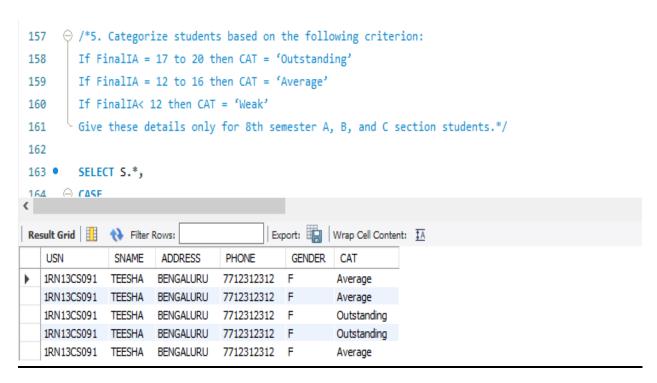
#### 3. Create a view of Test1 marks of student USN '1BI15CS101' in all subjects.

```
/*3. Create a view of Test1 marks of student USN '1BI15CS101' in all subjects. */
146
147
        DROP VIEW TEST1;
        CREATE VIEW TEST1 AS SELECT TEST1, SUBJECT.SUBCODE FROM IAMARKS, SUBJECT WHERE IAMARKS.SUBCODE=SUBJI
148 •
149
        SELECT*FROM TEST1;
150
        /*4. Calculate the FinalIA (average of best two test marks) and update the corresponding table for
151
152
153 •
        UPDATE IAMARKS
        SFT FTNALTA = (TFST1 + TFST2 + TFST3) / 3:
154
Export: Wrap Cell Content: IA
   TEST1 SUBCODE
15
         10CS81
  12
         10CS82
   19
         10CS83
   20
         10CS84
   15
         10CS85
```

## 4. Calculate the FinalIA (average of best two test marks) and update the corresponding table for all students.



5. Categorize students based on the following criterion: If FinalIA = 17 to 20 then CAT = 'Outstanding' If FinalIA = 12 to 16 then CAT = 'Average' If FinalIA
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\*\*\*\*\*\*\*WEEK 10 ENDS\*\*\*\*\*