PROGRAM 10

Consider the schema for College Database:

STUDENT (USN, SName, Address, Phone, Gender)

SEMSEC (SSID, Sem, Sec)

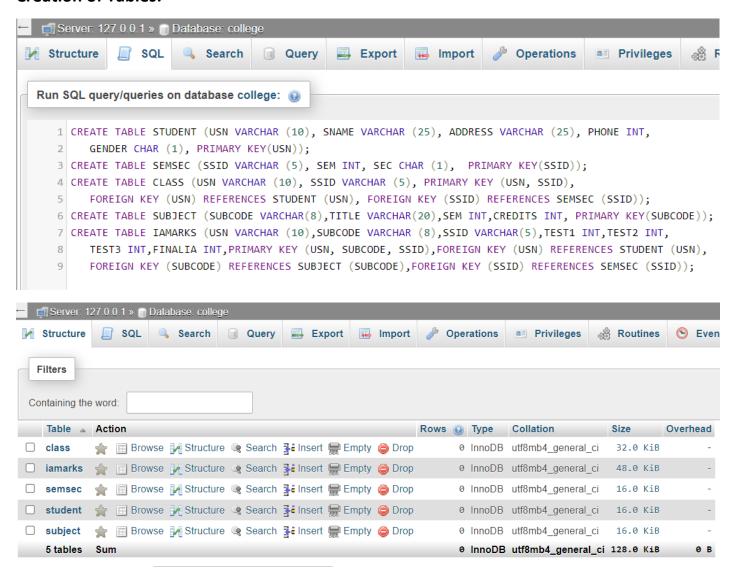
CLASS (USN, SSID)

SUBJECT (Subcode, Title, Sem, Credits)

IAMARKS (USN, Subcode, SSID, Test1, Test2, Test3, FinalIA)

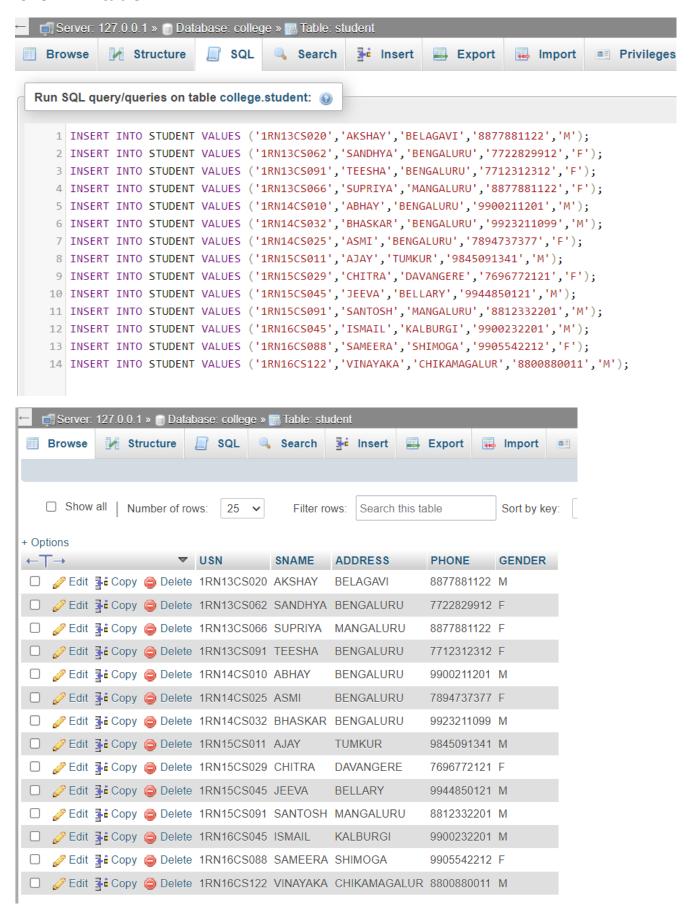
Write SQL queries to

Creation of Tables:

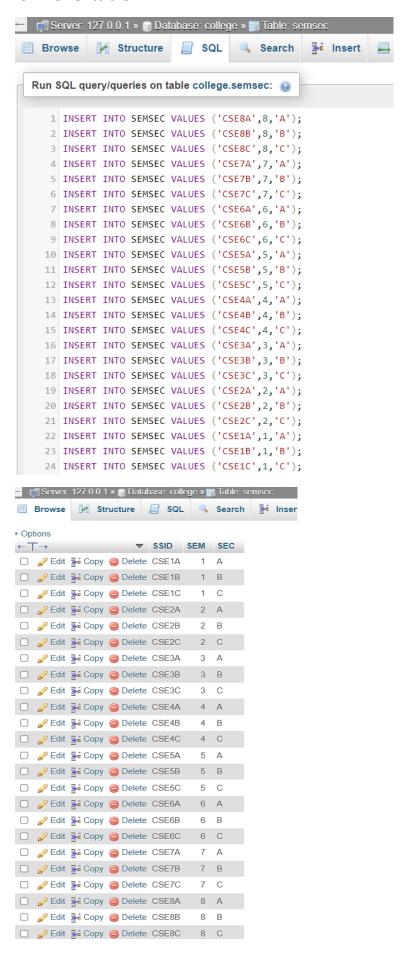


Insertion into tables:

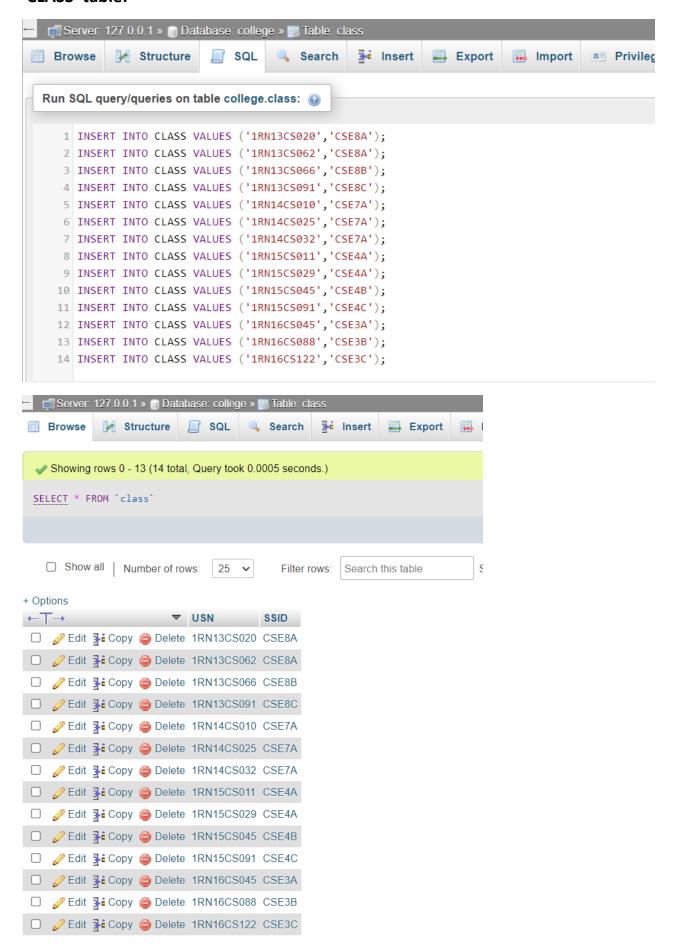
'STUDENT' table:



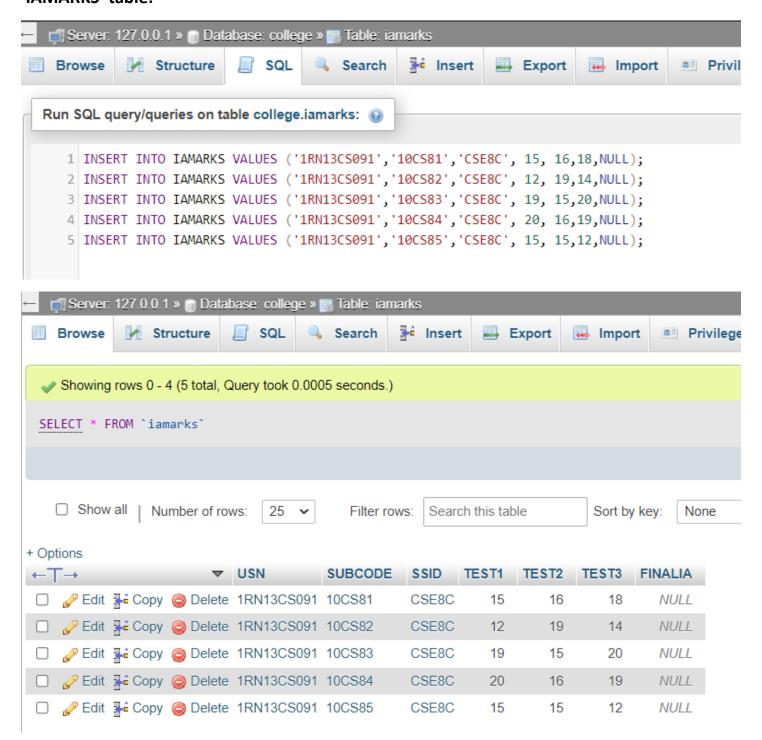
'SEMSEC' table:



'CLASS' table:



'IAMARKS' table:

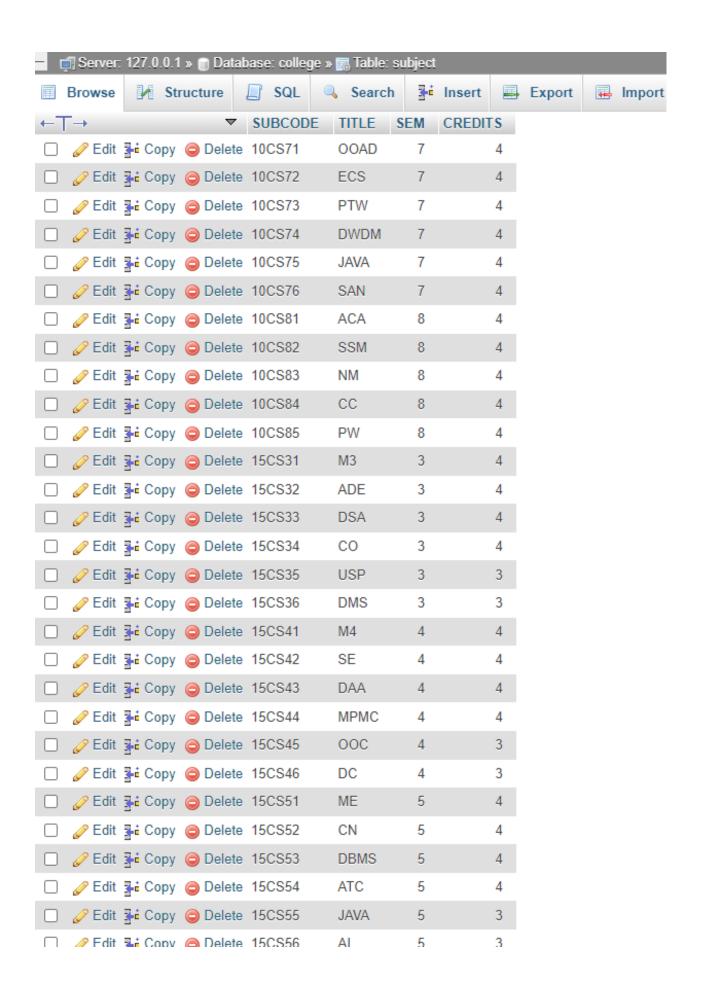


'SUBJECT' table:

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🗐 Server: 127.0.0.1 » 🧻 Database: college » 📰 Table: subject

☐ SQL

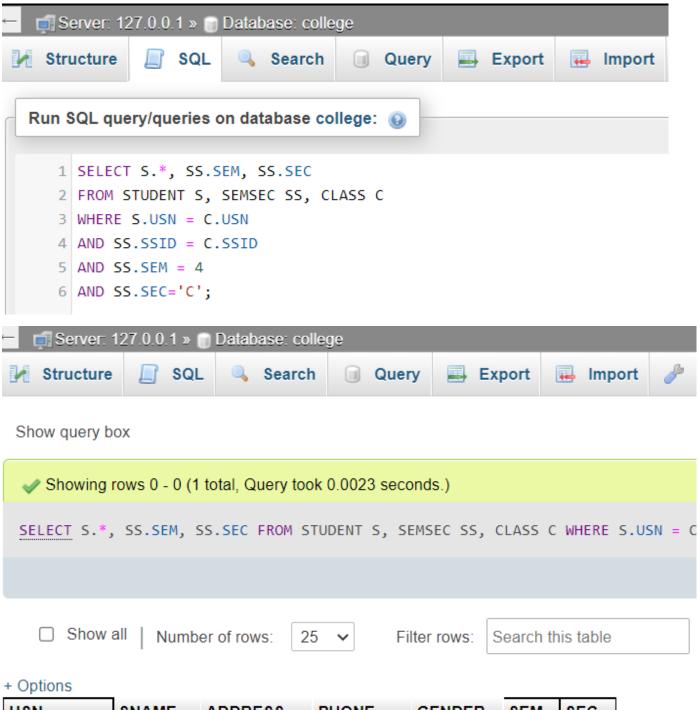
                                    Search insert Export Import
 Run SQL query/queries on table college.subject:
    1 INSERT INTO SUBJECT VALUES ('10CS81', 'ACA', 8, 4);
    2 INSERT INTO SUBJECT VALUES ('10CS82', 'SSM', 8, 4);
    3 INSERT INTO SUBJECT VALUES ('10CS83', 'NM', 8, 4);
    4 INSERT INTO SUBJECT VALUES ('10CS84', 'CC', 8, 4);
    5 INSERT INTO SUBJECT VALUES ('10CS85', 'PW', 8, 4);
    6 INSERT INTO SUBJECT VALUES ('10CS71', '00AD', 7, 4);
    7 INSERT INTO SUBJECT VALUES ('10CS72', 'ECS', 7, 4);
    8 INSERT INTO SUBJECT VALUES ('10CS73', 'PTW', 7, 4);
    9 INSERT INTO SUBJECT VALUES ('10CS74', 'DWDM', 7, 4);
   10 INSERT INTO SUBJECT VALUES ('10CS75', 'JAVA', 7, 4);
   11 INSERT INTO SUBJECT VALUES ('10CS76', 'SAN', 7, 4);
   12 INSERT INTO SUBJECT VALUES ('15CS51', 'ME', 5, 4);
   13 INSERT INTO SUBJECT VALUES ('15CS52', 'CN', 5, 4);
   14 INSERT INTO SUBJECT VALUES ('15CS53', 'DBMS', 5, 4);
   15 INSERT INTO SUBJECT VALUES ('15CS54', 'ATC', 5, 4);
   16 INSERT INTO SUBJECT VALUES ('15CS55', 'JAVA', 5, 3);
   17 INSERT INTO SUBJECT VALUES ('15CS56', 'AI', 5, 3);
   18 INSERT INTO SUBJECT VALUES ('15CS41', 'M4', 4, 4);
   19 INSERT INTO SUBJECT VALUES ('15CS42', 'SE', 4, 4);
   20 INSERT INTO SUBJECT VALUES ('15CS43', 'DAA', 4, 4);
   21 INSERT INTO SUBJECT VALUES ('15CS44', 'MPMC', 4, 4);
   22 INSERT INTO SUBJECT VALUES ('15CS45','00C', 4, 3);
   23 INSERT INTO SUBJECT VALUES ('15CS46', 'DC', 4, 3);
   24 INSERT INTO SUBJECT VALUES ('15CS31', 'M3', 3, 4);
   25 INSERT INTO SUBJECT VALUES ('15CS32', 'ADE', 3, 4);
   26 INSERT INTO SUBJECT VALUES ('15CS33', 'DSA', 3, 4);
   27 INSERT INTO SUBJECT VALUES ('15CS34','CO', 3, 4);
   28 INSERT INTO SUBJECT VALUES ('15CS35', 'USP', 3, 3);
    29 INSERT INTO SUBJECT VALUES ('15CS36','DMS', 3, 3);
```



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

Query:

SELECT S.*, SS.SEM, SS.SEC FROM STUDENT S, SEMSEC SS, CLASS C WHERE S.USN = C.USN AND SS.SSID = C.SSID AND SS.SEM = 4 AND SS.SEC='C';



USN	SNAME	ADDRESS	PHONE	GENDER	SEM	SEC
1RN15CS091	SANTOSH	MANGALURU	8812332201	M	4	С

ii. Compute the total number of male and female students in each semester and in each section.

Query:

SELECT SS.SEM, SS.SEC, S.GENDER, COUNT(S.GENDER) AS COUNT FROM STUDENT S, SEMSEC SS, CLASS C WHERE S.USN = C.USN AND SS.SSID =C.SSID GROUP BY SS.SEM, SS.SEC, S.GENDER ORDER BY SEM;



iii. Create a view of Test1 marks of student USN '1RN13CS091' in all subjects.

Query:

CREATE VIEW STU_TEST1_MARKS_VIEW AS SELECT TEST1, SUBCODE FROM IAMARKS WHERE USN = '1RN13CS091';

