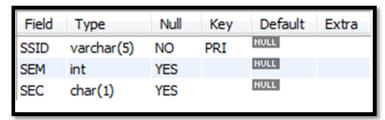
STUDENT Table:

Field	Туре	Null	Key	Default	Extra
USN	varchar(10)	NO	PRI	NULL	
SNAME	varchar(25)	YES		NULL	
ADDRESS	varchar(25)	YES		NULL	
PHONE	int	YES		NULL	
GENDER	char(1)	YES		NULL	

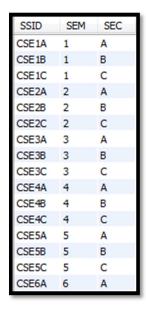
STUDENT Table VALUES:

USN	SNAME	ADDRESS	PHONE	GENDER
1RN13CS020	AKSHAY	BELAGAVI	1232654578	M
1RN13CS062	SANDHYA	BENGALURU	1232654578	F
1RN13CS066	SUPRIYA	MANGALURU	1232654578	F
1RN13CS091	TEESHA	BENGALURU	1232654578	F
1RN14CS010	ABHAY	BENGALURU	1232654578	M
1RN14CS025	ASMI	BENGALURU	1232654578	F
1RN14CS032	BHASKAR	BENGALURU	1232654578	M
1RN15CS011	AJAY	TUMKUR	1232654578	M
1RN15CS029	CHITRA	DAVANGERE	1232654578	F
1RN15CS045	JEEVA	BELLARY	1232654578	M
1RN15CS091	SANTOSH	MANGALURU	1232654578	M
1RN16CS045	ISMAIL	KALBURGI	1232654578	M
1RN16CS088	SAMEERA	SHIMOGA	1232654578	F
1RN16CS122	VINAYAKA	CHIKAMAG	1232654578	M
NULL	NULL	NULL	NULL	NULL

SEMSEC Table:



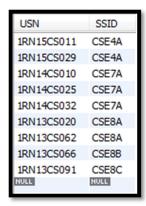
SEMSEC Table VALUES:



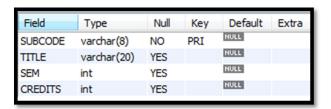
CLASS Table:



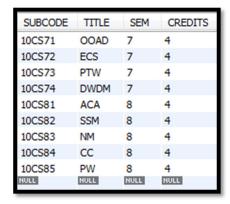
CLASS Table VALUES:



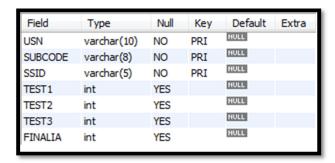
SUBJECT Table:



SUBJECT Table VALUES:



IAMARKS Table:



QUERIES:

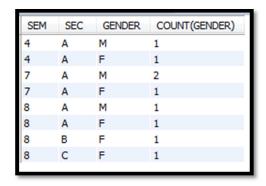
01.List all the student details studying in fourth semester 'c' section.

SELECT * FROM STUDENT S JOIN CLASS C ON S.USN=C.USN AND SSID='CSE4A';



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

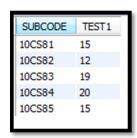
SELECT SEM, SEC, GENDER, COUNT (GENDER)
FROM STUDENT S JOIN CLASS C ON S.USN=C.USN
JOIN SEMSEC SE ON C.SSID=SE.SSID GROUP BY
GENDER, SEM, SEC ORDER BY SEM;



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

CREATE VIEW T1 AS SELECT SUBCODE, TEST1 FROM IAMARKS WHERE USN='1RN13CS091';

SELECT * FROM T1;



04. 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'

SELECT S.USN, S.SNAME, S.ADDRESS, S.PHONE, S.GENDER,

(CASE

WHEN IA.TEST1 BETWEEN 17 AND 20 THEN 'OUTSTANDING'

WHEN IA.TEST1 BETWEEN 12 AND 16 THEN

'AVERAGE'

ELSE 'WEAK'

END) AS CAT

FROM STUDENT S, SEMSEC SS, IAMARKS IA,

SUBJECT SUB

WHERE S.USN = IA.USN AND

SS.SSID = IA.SSID AND

SUB.SUBCODE = IA.SUBCODE AND

SUB.SEM = 8;

USN	SNAME	ADDRESS	PHONE	GENDER	CAT
1RN13CS091	TEESHA	BENGALURU	1232654578	F	AVERAGE
1RN13CS091	TEESHA	BENGALURU	1232654578	F	AVERAGE
1RN13CS091	TEESHA	BENGALURU	1232654578	F	OUTSTANDING
1RN13CS091	TEESHA	BENGALURU	1232654578	F	OUTSTANDING
1RN13CS091	TEESHA	BENGALURU	1232654578	F	AVERAGE