

DBMS LAB

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1BM19CS081

LAB PROG 10

OUTPUT

Value Insertion

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34 FOREIGN KEY (USN) REFERENCES STUDENT (USN),
35 FOREIGN KEY (SUBCODE) REFERENCES SUBJECT (SUBCODE),
36 FOREIGN KEY (SSID) REFERENCES SEMSEC (SSID));
37 • INSERT INTO STUDENT VALUES ('1RN13CS020', 'AKSHAY', 'BELAGAVI', 8877881122, 'M');
38 • INSERT INTO STUDENT VALUES ('1RN13CS062', 'SANDHYA', 'BENGALURU', 7722829912, 'F');
39 • INSERT INTO STUDENT VALUES ('1RN13CS091', 'TEESHA', 'BENGALURU', 7712312312, 'F');
40 • INSERT INTO STUDENT VALUES ('1RN13CS066', 'SUPRIYA', 'MANGALURU', 8877881122, 'F');
41 • INSERT INTO STUDENT VALUES ('1RN14CS010', 'ABHAY', 'BENGALURU', 9900211201, 'M');
42 • INSERT INTO STUDENT VALUES ('1RN14CS032', 'BHASKAR', 'BENGALURU', 9923211099, 'M');
43 • INSERT INTO STUDENT VALUES ('1RN14CS025', 'ASMI', 'BENGALURU', 7894737377, 'F');
44 • INSERT INTO STUDENT VALUES ('1RN15CS011', 'AJAY', 'TUMKUR', 9845091341, 'M');
45 • INSERT INTO STUDENT VALUES ('1RN15CS029', 'CHITRA', 'DAVANGERE', 7696772121, 'F');
46 • INSERT INTO STUDENT VALUES ('1RN15CS045', 'JEEVA', 'BELLARY', 9944850121, 'M');
47 • INSERT INTO STUDENT VALUES ('1RN15CS091', 'SANTOSH', 'MANGALURU', 8812332201, 'M');
48 • INSERT INTO STUDENT VALUES ('1RN16CS045', 'ISMAIL', 'KALBURGI', 9900232201, 'M');
49 • INSERT INTO STUDENT VALUES ('1RN16CS088', 'SAMEERA', 'SHIMOGA', 9905542212, 'F');
50 • INSERT INTO STUDENT VALUES ('1RN16CS122', 'VINAYAKA', 'CHIKAMAGALUR', 8800880011, 'M');
51
52 • INSERT INTO SEMSEC VALUES ('CSE8A', 8, 'A');
53 • INSERT INTO SEMSEC VALUES ('CSE8B', 8, 'B');
54 • INSERT INTO SEMSEC VALUES ('CSE8C', 8, 'C');
55 • INSERT INTO SEMSEC VALUES ('CSE7A', 7, 'A');
56 • INSERT INTO SEMSEC VALUES ('CSE7B', 7, 'B');
57 • INSERT INTO SEMSEC VALUES ('CSE7C', 7, 'C');
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54 • INSERT INTO SEMSEC VALUES ('CSE8C',8,'C');
55 • INSERT INTO SEMSEC VALUES ('CSE7A',7,'A');
56 • INSERT INTO SEMSEC VALUES ('CSE7B',7,'B');
57 • INSERT INTO SEMSEC VALUES ('CSE7C',7,'C');
58 • INSERT INTO SEMSEC VALUES ('CSE6A',6,'A');
59 • INSERT INTO SEMSEC VALUES ('CSE6B', 6,'B');
60 • INSERT INTO SEMSEC VALUES ('CSE6C', 6,'C');
61 • INSERT INTO SEMSEC VALUES ('CSE5A', 5,'A');
62 • INSERT INTO SEMSEC VALUES ('CSE5B', 5,'B');
63 • INSERT INTO SEMSEC VALUES ('CSE5C', 5,'C');
64 • INSERT INTO SEMSEC VALUES ('CSE4A',4,'A');
65 • INSERT INTO SEMSEC VALUES ('CSE4B', 4,'B');
66 • INSERT INTO SEMSEC VALUES('CSE4C',4,'C');
67 • INSERT INTO SEMSEC VALUES ('CSE3A', 3,'A');
68 • INSERT INTO SEMSEC VALUES ('CSE3B', 3,'B');
69 • INSERT INTO SEMSEC VALUES('CSE3C',3,'C');
70 • INSERT INTO SEMSEC VALUES ('CSE2A', 2,'C');
71 • INSERT INTO SEMSEC VALUES ('CSE2B', 2,'B');
72 • INSERT INTO SEMSEC VALUES ('CSE2C', 2,'C');
73 • INSERT INTO SEMSEC VALUES ('CSE1A', 1,'A');
74 • INSERT INTO SEMSEC VALUES ('CSE1B', 1,'B');
75 • INSERT INTO SEMSEC VALUES ('CSE1C', 1,'C');

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Limit to 1000 rows

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78 • INSERT INTO CLASS VALUES('1RN13CS062','CSE8A');
79 • INSERT INTO CLASS VALUES('1RN13CS066','CSE8B');
80 • INSERT INTO CLASS VALUES('1RN13CS091','CSE8C');
81 • INSERT INTO CLASS VALUES('1RN14CS010','CSE7A');
82 • INSERT INTO CLASS VALUES('1RN14CS025','CSE7A');
83 • INSERT INTO CLASS VALUES('1RN14CS032','CSE7A');
84 • INSERT INTO CLASS VALUES('1RN15CS011','CSE4A');
85 • INSERT INTO CLASS VALUES('1RN15CS029','CSE4A');
86 • INSERT INTO CLASS VALUES('1RN15CS045','CSE4B');
87 • INSERT INTO CLASS VALUES('1RN15CS091','CSE4C');
88 • INSERT INTO CLASS VALUES('1RN16CS045','CSE3A');
89 • INSERT INTO CLASS VALUES('1RN16CS088','CSE3B');
90 • INSERT INTO CLASS VALUES('1RN16CS122','CSE3C');
91
92 • INSERT INTO SUBJECT VALUES ('10CS81','ACA', 8, 4);
93 • INSERT INTO SUBJECT VALUES ('10CS82','SSM', 8, 4);
94 • INSERT INTO SUBJECT VALUES ('10CS83','NM', 8, 4);
95 • INSERT INTO SUBJECT VALUES ('10CS84','CC', 8, 4);
96 • INSERT INTO SUBJECT VALUES ('10CS85','PW', 8, 4);
97 • INSERT INTO SUBJECT VALUES ('10CS71','OOAD', 7, 4);
98 • INSERT INTO SUBJECT VALUES ('10CS72','ECS', 7, 4);
99 • INSERT INTO SUBJECT VALUES ('10CS73','PTW', 7, 4);
100 • INSERT INTO SUBJECT VALUES ('10CS74','DWDN', 7, 4);
101 • INSERT INTO SUBJECT VALUES ('10CS75','JAVA', 7, 4);
102 • INSERT INTO SUBJECT VALUES ('10CS76','SAM', 7, 4);

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99 • INSERT INTO SUBJECT VALUES ('10CS73','PTW', 7, 4);
100 • INSERT INTO SUBJECT VALUES ('10CS74','DWDM', 7, 4);
101 • INSERT INTO SUBJECT VALUES ('10CS75','JAVA', 7, 4);
102 • INSERT INTO SUBJECT VALUES ('10CS76','SAN', 7, 4);
103 • INSERT INTO SUBJECT VALUES ('15CS51','ME', 5, 4);
104 • INSERT INTO SUBJECT VALUES ('15CS52','CN', 5, 4);
105 • INSERT INTO SUBJECT VALUES ('15CS53','DBMS', 5, 4);
106 • INSERT INTO SUBJECT VALUES ('15CS54','ATC', 5, 4);
107 • INSERT INTO SUBJECT VALUES ('15CS55','JAVA', 5, 3);
108 • INSERT INTO SUBJECT VALUES ('15CS56','AI', 5, 3);
109 • INSERT INTO SUBJECT VALUES ('15CS41','M4', 4, 4);
110 • INSERT INTO SUBJECT VALUES ('15CS42','SE', 4, 4);
111 • INSERT INTO SUBJECT VALUES ('15CS43','DAA', 4, 4);
112 • INSERT INTO SUBJECT VALUES ('15CS44','MPMC', 4, 4);
113 • INSERT INTO SUBJECT VALUES ('15CS45','OOC', 4, 3);
114 • INSERT INTO SUBJECT VALUES ('15CS46','DC', 4, 3);
115 • INSERT INTO SUBJECT VALUES ('15CS31','M3', 3, 4);
116 • INSERT INTO SUBJECT VALUES ('15CS32','ADE', 3, 4);
117 • INSERT INTO SUBJECT VALUES ('15CS33','DSA', 3, 4);
118 • INSERT INTO SUBJECT VALUES ('15CS34','CO', 3, 4);
119 • INSERT INTO SUBJECT VALUES ('15CS35','USP', 3, 3);
120 • INSERT INTO SUBJECT VALUES ('15CS36','DMS', 3, 3);
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22 • INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS81','CSE8C', 15, 16,18);
23 • INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS82','CSE8C', 12, 19,14);
24 • INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS83','CSE8C', 19, 15,20);
25 • INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS84','CSE8C', 20, 16,19);
26 • INSERT INTO IAMARKS (USN, SUBCODE, SSID, TEST1, TEST2, TEST3)VALUES ('1RN13CS091','10CS85','CSE8C', 15, 15,12);
27 • SELECT * FROM STUDENT;
28 • SELECT * FROM SEMSEC;
29 • SELECT * FROM CLASS;
30 • SELECT * FROM SUBJECT;
31 • SELECT * FROM IAMARKS;
```

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';

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132
133 • SELECT S.*, SS.SEM, SS.SEC
134 FROM STUDENT S, SEMSEC SS, CLASS C
135 WHERE S.USN = C.USN AND
136 SS.SSID = C.SSID AND
137 SS.SEM = 4 AND
138 SS.Sec='C';
```

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Result Grid

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

Result Grid

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;

```
140 • SELECT SS.SEM, SS.SEC, S.GENDER, COUNT(S.GENDER) AS COUNT
141 FROM STUDENT S, SEMSEC SS, CLASS C
142 WHERE S.USN = C.USN AND
143 SS.SSID = C.SSID
144 GROUP BY SS.SEM, SS.SEC, S.GENDER
145 ORDER BY SEM;
```

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```
147 • CREATE VIEW STU1 TEST1 MARKS VIEW
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Result Grid

SEM	SEC	GENDER	COUNT
3	A	M	1
3	B	F	1
3	C	M	1
4	A	F	1
4	A	M	1
4	B	M	1
4	C	M	1
7	A	F	1
7	A	M	2
8	A	F	1
8	A	M	1
8	B	F	1
8	C	F	1

```

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

(CASE

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

WHEN IA.FINALIA 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;

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SELECT S.USN,S.SNAME,S.ADDRESS,S.PHONE,S.GENDER,
(CASE
WHEN IA.FINALIA BETWEEN 17 AND 20 THEN 'OUTSTANDING'
WHEN IA.FINALIA 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

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USN	SNAME	ADDRESS	PHONE	GENDER	CAT
1RN13CS091	TEESHA	BENGALURU	7712312312	F	WEAK
1RN13CS091	TEESHA	BENGALURU	7712312312	F	WEAK
1RN13CS091	TEESHA	BENGALURU	7712312312	F	WEAK
1RN13CS091	TEESHA	BENGALURU	7712312312	F	WEAK
1RN13CS091	TEESHA	BENGALURU	7712312312	F	WEAK