

RDBMS Practical Assignment II

Create relational database that contains the following tables and insert the following data into tables:

1. tblstud_info

Rno	Fname	Sname	Dno	Sem	Contact_no	Gender	Bdate
1	Ankur	Kahar	1	1	9823454543	M	12/02/2001
2	Dhaval	Joshi	1	1	8767675656	M	23/05/2002
3	Ankita	Shah	1	1	8977777666	F	01/11/2000
10	Komal	Pandya	2	3	9898987666	F	15/07/2005
13	Amit	Mehta	3	3	9898787878	M	26/02/2009
23	Jinal	Gandhi	2	1	9823456787	F	28/09/2000
22	Ganesh	Patel	2	3	9898766554	M	16/07/2002
4	Shweta	Patel	3	1	9824534567	F	18/01/2003
7	Pooja	Desai	3	3	9975310987	F	19/06/2004
8	Komal	Bhatia	2	3	9864208642	F	18/07/2006

2. tbldept

Dno	Dname
1	Information Technology
2	Electrical
3	Civil
4	Mechanical
5	Chemical

3. tblstud_result

Rno	S101	S102	S103	S104	S105
1	76	87	87	89	93
2	67	76	80	86	88
3	55	78	77	85	80
13	43	76	69	55	76
23	12	23	15	19	20
22	56	34	36	38	30
7	33	56	45	34	30
8	80	90	95	92	80

Perform following criteria on above created tables:

1. Add total and per fields in tblstud_result table and update it as per the given marks (multiple queries)
2. Display students' detail who are studied in Electrical.
3. Display the result of Pooja.
4. Display the students' detail who got maximum marks in Subject 101.
5. Display the students' detail who got minimum marks in Subject 103.
6. Display the students' detail who got maximum percentage.

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7. Display the students' detail who got minimum total.
8. Display the student detail whose total is more than the average total of all students.
9. Display the result of students whose surname is Patel.
10. Display the department detail where total numbers of students are only 3.
11. Display the department name of highest percentage student.
12. Display the students' detail of Civil and Information Technology.
13. Display the result for Male students.
14. Display the students' detail whose total is less than 250.
15. Display the student's result who's subject 103's marks are one of the "80,87,95".
16. Display the student's result who's subject 103's marks are more than "45,69 and 77".
17. Display the student's result who's subject 103's marks are more than atleast one of "45,69 and 77".
18. Display the students' detail whose results are available. (Use EXISTS)
19. Display the students' detail whose results are not available.
20. Create student table with fields Rno, name, phone_no. And insert the records from tblstud_info table.
21. Create student1 table with fields rno, total, per. Insert the records of male students from tblstud_result table.
22. Create student2 table with fields rno, name, gender. Insert the records from tblstud_info table who belongs to Information Technology department.
23. Update in the student1 table and add 10 in percentage field that belongs to Electrical Department.
24. Delete the records of Civil department from Student table.
25. Update the phone number to "9988776655" in Student table of female students.
26. Delete the records of "Female" from student table.
27. Display the results of the female students whose age is more than 15 years.
28. Display the students' results whose birth is in the last week of month.
29. Display the names of departments where at least one student is studying.
30. Display the department detail where not a single student is studying.

Create Index for following:

1. Create index on dname field on tbldept table.
2. Create index on dno and rno fields on tblstud_info table.
3. Create unique index on rno field on tblstud_result table.
4. Drop all above created indexes.
5. Display the top three students' results (Use ROWNUM)