

Instructions:

1. **Assignment book 1:** Assignment 1 and assignment 2
2. **Assignment book 2:** Assignment 3 and assignment 4.

Assignment-1

Answer the following long questions:

1. Discuss the Codd's rules.
2. Discuss Transaction Control Language with examples.
3. Discuss Data Control Language with examples.

Assignment-2

Answer the following long questions:

1. Explain relational algebraic operators.
2. Discuss the data types available in SQL.
3. What is the use of Joins? Discuss types of joins.

Assignment-3

Answer the following questions:

1. Explain Date functions.
2. Write note on Subquery.
3. Write notes on Index.

Assignment-4

Write queries for following:

Create following tables using primary and foreign key

Student (rollno, sname, date_of_birth, gender, city, cid)

Marks (rollno, sub1, sub2, sub3)

Class(cid, cname)

Queries

1. Add fields named 'Total' and 'Per' in Marks table.
2. Update Total field.
3. Update Per field.
4. Display the students' personal detail with class name.
5. Display students' result with its name.

6. Display the students' detail with result whose birth is in year 2001.
7. Display male students' result.
8. Display the students' personal detail who belongs to class "FYBCA".
9. Display the result of students who belong to class "SYBCA".
10. Display class name and total no. of students available in each class.
11. Display students' detail in descending order with class name.
12. Display the students' detail who got distinction.
13. Display the students' results who belongs to Surat city.
14. Display female students' results who belongs to Bharuch city.
15. Display the Navsari's students' results whose name start with "M" letter.
16. List the students' detail, their results and class name.
17. Display maximum percentage achieved class-wise with class name.
18. Display the class detail who doesn't have any student.
19. Display the students' personal detail whose results are not available.
20. Display the students' detail who belongs to surat city and who born in the month of July.