

Computer Engineering Department, S V N I T, Surat.
B Tech – V semester
Database Management System
Lab Assignment-4

1. Create a table Books library with fields:

ISBN	Character(10) Primarykey
Book Title	Character(25)
Author	Character(25)
Publication (dd-mm-yyyy format)	Date
Language	Character(25)
Issue Date	Date
Return Date	Date
Publisher Name	Character(25) (Null values allowed)
Price	Numeric(7,2)

Insert 10 Rows in the above created table for the books of subjects “DBMS” and “Computer Organization” written by single author. Consider your name and your father’s name in the author. Write SQL commands to display the following:

1. All columns and rows.
2. List of all rows in ascending order of price.
3. Books details with columns ISBN and Book title only in descending order of Book title.
4. Display the maximum and minimum prices of books.
5. Books details of all the books whose price is between 250 to 700.
6. Books details of all the books whose price is greater than 500.
7. Count of books for the book title with “Computer” substring.
8. Publication details of all the books whose Publication is after 1st jan 2021.
9. Count of authors who have written books in other than the English language.
10. Details of books where publisher name is null.
11. Count of books whose publisher name is not null.
12. Display the sum of price of all the books.
13. Count of books having price >250 and <1000.
14. Details of all the books whose author name is “Your name”.
15. Details of all the books whose author name is not “Your Father’s Name”.

2. Create a table Hospital Management with fields:

Doctor ID	Number (6) Primary key
Doctor Name	Character (25)
Specialization	Character (25)
Salary	Number (6)
Patient No.	Number (6)
Patient Name	Character (25)
Date admitted	Date
Discharge Date	Date

Insert 10 Rows in the above created table. Write SQL commands to display the following:

1. Hospital management table with all columns and rows.
2. Doctor details with columns ID and Name only.
3. Details of all the doctors who are specialized in cancer.
4. Count of the doctors' specialization wise.
5. Details of all the Doctors whose salary is between 50000 to 100000.
6. Display unique name of doctors.
7. Display the list of patients who are treated by doctor "XYZ".
8. Count of the Patient admitted for the Covid.
9. Details of all the Patients who are admitted after 1st jan 2021.
10. Details of all the patient who are admitted after 1st Jan 2021 and before 31st Jan 2021.
11. Delete the patients who are under the doctor "ABC".
12. Update the doctor's name from "XYZ" to "ABC".