

LABORATORY ASSIGNMENTS

FOR

DATABASE MANAGEMENT

SYSTEM

CS204

Duration: 2 hours/week

(Internal Class: 25, External Exam: 25, Total: 50 marks)

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CS204 Database Management System Lab

Goal: To understand concept of Sequential File Processing.

1. Write a 'c' program to manage student's data of B.tech-II, SVNIT using a single text file through the menu options for the following operations: (First design the structure of above and prepare some test data to enter as per the given operations)

1. Add a record in the file.
2. Delete a record in the file.
3. Modify the record in the file.
4. Generate various summary reports on the field given by the user.
 - a. Display count of students.
 - b. List all the records of the file in ascending order of Student first name.
 - c. List all the records of the file in descending order of Student last name.
 - d. List all the records of the file by first displaying records of girls and records of boys in separate files.

Rubrics:

1. Are the appropriate fields considered for student structure or not?
2. Whether main operations are executed?
3. Whether submenu operations are executed?
4. Whether comments/documentation in the program is done?
5. Whether the indentation in the program is done?
6. Whether the appropriate error messages are displayed?
7. Whether the appropriate input formatting is managed by the program?
8. Whether the appropriate output formatting is managed by the program?
9. Whether the appropriate input is/inputs are taken from the user?
10. Any extra submenu is implemented or not?