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

5th Jan 2021:

Goal: To learn sequential file processing.

1. Write a 'c' program to manage covid patient data of Surat city using a single text file through the menu options for the following operations: (First design the structure of the covid patient 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 patient
      b.   Display the count of patient based on the gender
      c.   Display the age wise count of patient
      d.   Display the count of patient areawise
   5. List all the records of the file in ascending order
      a.   Patient first name
      b.   Patient last name
      c.   Patient age
      d.   Admission date
   6. List all the records of the file in descending order
      a.   Patient first name
      b.   Patient last name
      c.   Patient age
      d.   Discharge date
   7. List all the records of the file for specific range
      a.   Patient first name starts from your first name letter to next 10 letters
      b.   Admission date from user given date to next 10 dates
      c.   Admission month from user given month to next 5 months
   8. Separate records of male and females in separate files

Rubrics:
   1.   Are the appropriate fields considered for patient 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?