

④ Design a Student-Attendance System that automates the attendance system in a college. The system maintains following database:

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Students (roll, sname, course, year)

Teacher (tid, tname, code)

Attends (roll, tid, subject, date)

Create tables in SQL with all integrity constraints. Sname's can start with letters A to D. Insert at least six tuples so that queries yields some results. Write SQL queries to do

the following.

- i) find all students whose name start with 'D' in M.Sc course who have attended at least 2 classes taken by Prof. P. Ghosh.
- ii) find the students with maximum attendance.
- iii) Find the teacher names who have maximum no. of students.

Create a user interface for the above application. Incorporate the following in your design.

- a) Display the current system time using timer control.
- b) Input & view data for any two tables in separate forms.
- c) Use the Calendar Control to display the date in Attend table.
- d) In Students form, include courses as "BA", "BSC", "B.Com", "M.Sc" & "BBA" using radio buttons.