

Database Management Systems Lab Assignment-2

Instructions:

1. Each Query consists of one mark.
2. The assignment is of total 10 marks.
3. All Questions are compulsory.
4. Naming convention for file: Name your file, which includes screenshots of the database as: Roll.No-Assign1.pdf
5. Do Not Cheat.

1. Create a database having three tables to store the details of students of Computer Department in your college, as per the given schema.

Personal information about Student (College roll number, Name of student, Date of birth, Address, Marks (rounded off to whole number) in percentage at 10 + 2, Phone number)

Paper Details (Paper code, Name of the Paper)

Student's Academic and Attendance details (College roll number, Paper code, Attendance, Marks in home examination).

- a) Find the total attendance and total marks obtained by each student.
- b) List the name of student who has got the highest marks in paper 2.
- c) Find the names of the student who got highest marks overall.
- d) Find the names of the students who have got marks greater than the average marks of the all the students.
- e) List the names 5 lowest scoring students.

2. Create the following tables and answer the queries given below:

Customer (CustID, email, Name, Phone, ReferrerID)

Bicycle (BicycleID, DatePurchased, Color, CustID, ModelNo) BicycleModel (ModelNo, Manufacturer, Style)

Service (StartDate, BicycleID, EndDate)

- a) Identify primary and foreign keys. Create the tables and insert at least 5 records in each table.
- b) List all the customers who have the bicycles manufactured by manufacturer "Honda".
- c) List the bicycles purchased by the customers who have been referred by customer "C1".
- d) List the manufacturer of red colored bicycles.
- e) List the models of the bicycles given for service.