C-TAG
Coding And Training Academy By Gandhis

Python

Date: 30th October 2021   Marks: 30

Question:

Create a system to aid your local gym in creating a database system for them to store the records of their employees and their clients along with a system that would run a few queries as per the requirements.

The two tables needed for the same are mentioned below:

Table: Trainers	
TrainerID	Primary key number
TrainerName	String
TrainerContact	String
WorkingDays	Number
Remuneration	Number

Table: Members	
MemberID	Primary key number
MemberName	String
TrainerID	Foreign key
WorkoutDays	Number

Note: WorkoutDays and WorkingDays are different.

Insert the following values in the tables: **(10)**

Table: Trainers

TrainerID	TrainerName	TrainerContact	WorkingDays	Remuneration
101	Rahul	9999999998	5	23000
102	Rajesh	8888888876	6	26000
103	Rohan	7777777654	4	20000

Table: Members

MemberID	MemberName	TrainerID	WorkoutDays
402	Aakash	102	3
455	Anushka	101	5
436	Alisha	103	3
474	Arjun	102	6
410	Ansh	103	4

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On successful creation of the above tables, execute the following queries and show the output on the screen.

1) Print the MemberName of the members who visit the gym most frequently. **(2)**

2) Print the MemberID and TrainerID of those whose WorkoutDays and WorkingDays are the same. **(2)**

3) Add a Column "Bonus" in the Trainer Table, and set the values as 10% of the Remuneration. **(3)**

4) Take the value of AverageSalary (int) from the user and then print the records of those trainers whose Remuneration is lower than the AverageSalary. **(2)**

5) Update the Remuneration of the above-mentioned trainers such that their Remuneration results as Rs. 100 more than the AverageSalary.
Eg: if averageSalary is 25000, the remuneration of both Rahul and Rohan would be Rs. 26000. **(4)**

6) Print the details of all the records as matched on the basis of the TrainerID. **(2)**

7) Print the MemberID and MemberName of those who visit the gym odd number of times in a week. **(2)**

8) Change the TrainerID of all those Members who have Rahul as their trainer and set the TrainerID of those Members as 102. **(2)**

9) Delete the Record of Rahul from the Trainer Table. (Use ID to delete) **(1)**