PROJECT NAME : GYM DATABASE

ABOUT

These tables collectively form a comprehensive database schema for a gym management system, facilitating the management of members, trainers, classes, equipment, and financial transactions.

1. Members Table
The members table stores essential information about gym members. Each member has a unique identifier (member_id) and details such as their name, email, phone number, and membership dates.

2. Trainers Table
The trainers table contains information about fitness trainers available at the gym. Each trainer has a unique trainer_id and personal details, including their name, email, phone number, and hire date.

3. Classes Table

The classes table holds details about the various fitness classes offered at the gym. Each class has a unique identifier (class_id) and includes information on the class name, schedule, duration, and associated trainer and member.

Foreign Keys: Links each class to a specific trainer and member, ensuring a structured relationship between classes, trainers, and members.

4. Equipment Table

The equipment table manages the gym's fitness equipment inventory. It includes a unique equipment_id, the name of the equipment, quantity available, condition, and which member is using the equipment.

Foreign Key: Links to the members table to indicate which member is currently using or responsible for the equipment.

5. Payment Table

The payment table tracks financial transactions related to gym memberships. It includes a unique payment_id, the member making the payment, the amount, payment date, and method of payment.

Foreign Key: Connects payments to members, ensuring that all transactions can be traced back to specific individuals.