

Fitness Center Management System

INSERT Queries

Trainer

```
INSERT INTO Trainer (TrainerID, TrainerName, DateOfBirth, ContactNumber, Email) VALUES
(1, 'John Doe', '1985-04-10', '1234567890', 'johndoe@email.com'),
(2, 'Jane Smith', '1990-06-15', '2345678901', 'janesmith@email.com'),
(3, 'Mike Johnson', '1982-08-25', '3456789012', 'mikej@email.com'),
(4, 'Emily Davis', '1988-09-30', '4567890123', 'emilyd@email.com'),
(5, 'David Wilson', '1992-12-05', '5678901234', 'davidw@email.com');
```

Equipment

```
INSERT INTO Equipment (EquipmentID, EquipmentName, Quantity, Description) VALUES
(1, 'Treadmill', 5, 'Standard treadmill'),
(2, 'Dumbbells', 20, 'Various weights'),
(3, 'Exercise Bike', 3, 'Stationary bike'),
(4, 'Yoga Mats', 10, 'Standard yoga mats'),
(5, 'Rowing Machine', 2, 'Indoor rowing machine');
```

Rooms

```
INSERT INTO Rooms (RoomID, RoomNumber) VALUES
(1, 'Room1'),
(2, 'Room2'),
(3, 'Room3'),
(4, 'Room4'),
(5, 'Room5');
```

Courses

```
INSERT INTO Courses (CourseID, CourseName, Description, Rate) VALUES
(1, 'Yoga Basics', 'Beginner level yoga course', 20.00),
```

(2, 'Advanced Cardio', 'High intensity cardio training', 25.00),
(3, 'Strength Training', 'Weight lifting and strength', 30.00),
(4, 'Pilates', 'Pilates class for all levels', 22.00),
(5, 'Zumba', 'Dance fitness class', 18.00);

Member

INSERT INTO Member (MemberID, MemberName, DateOfBirth, ContactNumber, Email) VALUES
(1, 'Alice Brown', '1995-03-21', '6789012345', 'aliceb@email.com'),
(2, 'Bob Martin', '1988-07-14', '7890123456', 'bobm@email.com'),
(3, 'Carol King', '1990-11-13', '8901234567', 'carolk@email.com'),
(4, 'Daniel Green', '1993-02-18', '9012345678', 'danielg@email.com'),
(5, 'Eva White', '1986-05-24', '0123456789', 'evaw@email.com');

Membership

INSERT INTO Membership (MembershipID, MembershipType, Duration, Rate) VALUES
(1, 'Standard', 12, 300.00),
(2, 'Premium', 12, 500.00),
(3, 'Monthly', 1, 30.00),
(4, 'Gold', 12, 450.00),
(5, 'Silver', 6, 200.00);

EquipmentRoom

INSERT INTO EquipmentRoom (EquipmentRoomID, RoomID, EquipmentID) VALUES
(1, 1, 1),
(2, 2, 2),
(3, 3, 3),
(4, 4, 4),
(5, 5, 5);

CourseTrainer

INSERT INTO CourseTrainer (CourseTrainerID, CourseID, TrainerID, RoomID) VALUES
(1, 1, 1, 1),
(2, 2, 2, 2),
(3, 3, 3, 3),

(4, 4, 4, 4),
(5, 5, 5, 1);

MemberRegistration

```
INSERT INTO MemberRegistration (MemberRegistrationID, MemberID, MembershipID,
CourseTrainerID, StartDate) VALUES
(1, 1, 1, 1, '2023-12-01'),
(2, 2, 2, 2, '2023-11-01'),
(3, 3, 3, 3, '2023-10-01'),
(4, 4, 4, 4, '2023-09-01'),
(5, 5, 5, 5, '2023-08-01');
```

MemberAttendance

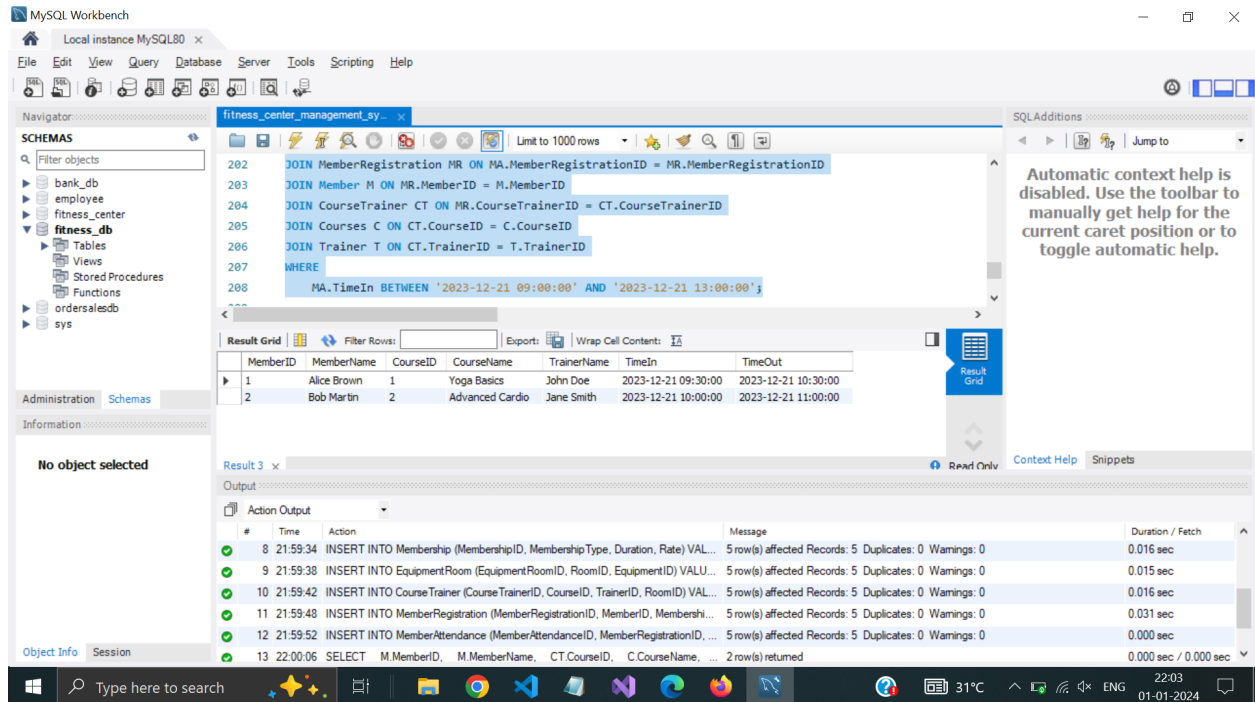
```
INSERT INTO MemberAttendance (MemberAttendanceID, MemberRegistrationID, TimeIn, TimeOut)
VALUES
(1, 1, '2023-12-21 09:30:00', '2023-12-21 10:30:00'),
(2, 2, '2023-12-21 10:00:00', '2023-12-21 11:00:00'),
(3, 3, '2023-12-22 09:00:00', '2023-12-22 10:00:00'),
(4, 4, '2023-12-23 11:00:00', '2023-12-23 12:00:00'),
(5, 5, '2023-12-24 09:00:00', '2023-12-24 10:00:00');
```

a. List all the Customers who attended training on 21st December 2023 with the trainers name from 9.00am to 1.00pm

```
SELECT
    M.MemberID,
    M.MemberName,
    CT.CourseID,
    C.CourseName,
    T.TrainerName,
    MA.TimeIn,
    MA.TimeOut
FROM
    MemberAttendance MA
JOIN MemberRegistration MR ON MA.MemberRegistrationID = MR.MemberRegistrationID
JOIN Member M ON MR.MemberID = M.MemberID
JOIN CourseTrainer CT ON MR.CourseTrainerID = CT.CourseTrainerID
JOIN Courses C ON CT.CourseID = C.CourseID
JOIN Trainer T ON CT.TrainerID = T.TrainerID
```

WHERE

MA.TimeIn BETWEEN '2023-12-21 09:00:00' AND '2023-12-21 13:00:00';



b. List all the Customers who have user room1 on 24th December 2023

SELECT

M.MemberID,
M.MemberName,
R.RoomNumber,
MA.TimeIn,
MA.TimeOut

FROM

MemberAttendance MA

JOIN MemberRegistration MR ON MA.MemberRegistrationID = MR.MemberRegistrationID

JOIN Member M ON MR.MemberID = M.MemberID

JOIN CourseTrainer CT ON MR.CourseTrainerID = CT.CourseTrainerID

JOIN Rooms R ON CT.RoomID = R.RoomID

WHERE

R.RoomNumber = 'room1'
AND MA.TimeIn >= '2023-12-24 00:00:00'
AND MA.TimeOut <= '2023-12-24 23:59:59';

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

- bank_db
- employee
- fitness_center
- fitness_db
 - Tables
 - Views
 - Stored Procedures
 - Functions
- ordersalesdb
- sys

Administration Schemas

Information

No object selected

Object Info Session

fitness_center_management_sy

Limit to 1000 rows

```
221 JOIN Member M ON MR.MemberID = M.MemberID
222 JOIN CourseTrainer CT ON MR.CourseTrainerID = CT.CourseTrainerID
223 JOIN Rooms R ON CT.RoomID = R.RoomID
224 WHERE
225     R.RoomNumber = 'room1'
226     AND MA.TimeIn >= '2023-12-24 00:00:00'
227     AND MA.TimeOut <= '2023-12-24 23:59:59';
```

Result Grid

MemberID	MemberName	RoomNumber	TimeIn	TimeOut
5	Eva White	Room1	2023-12-24 09:00:00	2023-12-24 10:00:00

SQL Additions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result 12

Output

Action Output

#	Time	Action	Message	Duration / Fetch
21	22:06:21	SELECT	M.MemberID, M.MemberName, CT.CourseID, C.CourseName, ... 2 row(s) returned	0.000 sec / 0.000 sec
22	22:06:27	SELECT	M.MemberID, M.MemberName, CT.CourseID, C.CourseName, ... 2 row(s) returned	0.000 sec / 0.000 sec
23	22:06:27	SELECT	M.MemberID, M.MemberName, CT.CourseID, C.CourseName, ... 2 row(s) returned	0.000 sec / 0.000 sec
24	22:06:29	SELECT	M.MemberID, M.MemberName, CT.CourseID, C.CourseName, ... 2 row(s) returned	0.000 sec / 0.000 sec
25	22:06:40	SELECT	M.MemberID, M.MemberName, R.RoomNumber, MA.TimeIn, ... 1 row(s) returned	0.000 sec / 0.000 sec

Type here to search

31°C

22:06

01-01-2024