

SQL Script

1. List all members with their contact info

```
SELECT Member_ID, Name, Contact_NO, Email  
FROM Member;
```

	member_id [PK] integer	name character varying (100)	contact_no character varying (15)	email character varying (100)
1	1	John Doe	9876543210	john@example.com
2	2	Jane Smith	9123456789	jane@example.com
3	3	Raj Patel	9012345678	raj@example.com
4	4	Ayesha Khan	8899001122	ayesha@example.com
5	5	Mike Williams	7766554433	mike@example.com
6	6	Sneha Iyer	9900112233	sneha@example.com
7	7	Arjun Reddy	7888999000	arjun@example.com

2. Show all workout plans along with the trainer name

```
SELECT wp.Plan_ID, wp.Plan_Name, wp.Description, t.Name AS Trainer_Name  
FROM Workout_Plan wp  
JOIN Trainer t ON wp.Trainer_ID = t.Trainer_ID;
```

	plan_id integer	plan_name character varying (100)	description text	trainer_name character varying (100)
1	201	Fat Burn Plan	High intensity fat burning	Alex Johnson
2	202	Muscle Gain	Strength and hypertrop...	Emily Brown
3	203	HIIT Routine	Short, intense workouts	Rahul Mehta

3. Show all upcoming sessions with member and trainer details

```
SELECT s.Session_ID, s.Date, s.Time, m.Name AS Member_Name, t.Name AS  
Trainer_Name  
FROM Session s  
JOIN Member m ON s.Member_ID = m.Member_ID  
JOIN Trainer t ON s.Trainer_ID = t.Trainer_ID  
ORDER BY s.Date ASC;
```

	session_id integer	date date	time time without time zone	member_name character varying (100)	trainer_name character varying (100)
1	301	2025-04-10	08:00:00	John Doe	Alex Johnson
2	302	2025-04-12	10:30:00	Jane Smith	Emily Brown
3	303	2025-04-15	09:00:00	Raj Patel	Rahul Mehta
4	304	2025-04-16	07:30:00	Ayesha Khan	Alex Johnson
5	305	2025-04-17	11:00:00	Mike Williams	Emily Brown
6	306	2025-04-18	06:30:00	Sneha Iyer	Rahul Mehta
7	307	2025-04-19	08:45:00	Arjun Reddy	Alex Johnson

4. Find members who have not paid yet (Pending Payment)

```
SELECT m.Member_ID, m.Name, p.Payment_Status
FROM Member m
JOIN Payment p ON m.Member_ID = p.Member_ID
WHERE p.Payment_Status = 'Pending';
```

	member_id integer	name character varying (100)	payment_status character varying (50)
1	2	Jane Smith	Pending
2	5	Mike Williams	Pending

5. Total revenue generated from payments

```
SELECT SUM(Amount) AS Total_Revenue
FROM Payment
WHERE Payment_Status = 'Paid';
```

	total_revenue numeric
1	24200.00

6. Members and the workout plans they follow

```
SELECT m.Name AS Member_Name, wp.Plan_Name
FROM Member m
JOIN Member_Follows_Plan mf ON m.Member_ID = mf.Member_ID
JOIN Workout_Plan wp ON mf.Plan_ID = wp.Plan_ID;
```

	member_name character varying (100) 🔒	plan_name character varying (100) 🔒
1	John Doe	Fat Burn Plan
2	Jane Smith	Muscle Gain
3	Raj Patel	HIIT Routine
4	Ayesha Khan	Fat Burn Plan
5	Mike Williams	Muscle Gain
6	Sneha Iyer	HIIT Routine
7	Arjun Reddy	Fat Burn Plan

7. List all sessions booked by a specific member

```
SELECT s.Session_ID, s.Date, s.Time, t.Name AS Trainer
FROM Session s
JOIN Trainer t ON s.Trainer_ID = t.Trainer_ID
WHERE s.Member_ID = (
    SELECT Member_ID FROM Member WHERE Name = 'John Doe'
);
```

	session_id integer 🔒	date date 🔒	time time without time zone 🔒	trainer character varying (100) 🔒
1	301	2025-04-10	08:00:00	Alex Johnson

8. Count of members by membership type

```
SELECT Membership_Type, COUNT(*) AS Member_Count  
FROM Member  
GROUP BY Membership_Type;
```

	membership_type character varying (50) 🔒	member_count bigint 🔒
1	Silver	2
2	Platinum	1
3	Bronze	1
4	Gold	3

9. Trainers and how many sessions they are conducting

```
SELECT t.Name AS Trainer_Name, COUNT(s.Session_ID) AS Session_Count  
FROM Trainer t  
LEFT JOIN Session s ON t.Trainer_ID = s.Trainer_ID  
GROUP BY t.Name;
```

	trainer_name character varying (100) 🔒	session_count bigint 🔒
1	Rahul Mehta	2
2	Alex Johnson	3
3	Emily Brown	2

10. List of members following the 'Fat Burn Plan'

```
SELECT m.Name  
FROM Member m  
JOIN Member_Follows_Plan mf ON m.Member_ID = mf.Member_ID  
JOIN Workout_Plan wp ON mf.Plan_ID = wp.Plan_ID  
WHERE wp.Plan_Name = 'Fat Burn Plan';
```

	name character varying (100) 🔒
1	John Doe
2	Ayesha Khan
3	Arjun Reddy