

THE AIM OF A PROJECT

Aim for your gym management system SQL project could be to design a robust database that efficiently tracks and manages member information, attendance, workout routines, equipment inventory, and billing details. Ensure data integrity, implement relevant relationships, and create SQL queries for common tasks like member registration, attendance tracking, and generating financial reports.

Expand the aim by focusing on user roles, incorporating security measures, and enabling reporting functionalities. Design the database to support admin, trainer, and member roles with appropriate access levels. Implement features for assigning and tracking personalized workout plans, handling membership renewals, and generating performance analytics.

Prioritize scalability to accommodate future enhancements and ensure a user-friendly interface for seamless interaction with the database.

TABLE DESCRIPTION:

CREATE DATABASE:

```
create database gym_management_dbms;
use gym_management_dbms;
```

CREATE TABLE MEMBERS:

```
create table members(
memberid int primary key,
membername varchar(50),
contact_no bigint,
email varchar(50),
address varchar(50),
membership_type varchar(50),
joining_date date,
expiry_date date);
desc members;
```

CREATE TABLE STAFF:

```
create table staff(
staff_id int primary key,
name varchar(50),
contact bigint,
email_id varchar(50),
post varchar(50),
salary int,
joining_date date);
```

```
desc staff;
```

CREATE TABLE ATTENDANCE:

```
create table attendance(
attendance_id int primary key,
memberid int,
date_ date,
checkintime time,
checkouttime time);
desc attendance;
```

CREATE TABLE PAYMENTS:

create table payments(
paymentid int primary key,
memberid int,
amount int,
payment_type varchar(50),
payment_date date,
package varchar(50));
desc payments;

COMMANDS TO INSERT VALUES IN TABLE:

TABLE MEMBER:

INSERT INTO members VALUES

- (1, 'John Doe', 1234567890, 'john@example.com', '123 Main St', 'Premium', '2023-01-15', '2023-07-15'),
- (2, 'Jane Smith', 9876543210, 'jane@example.com', '456 Oak Ave', 'Standard', '2023-02-20', '2023-08-20'),
- (3, 'Alex Johnson', 5556667777, 'alex@example.com', '789 Elm Blvd', 'Basic', '2023-03-10', '2023-09-10'),
- (4, 'Sarah Wilson', 3332221111, 'sarah@example.com', '101 Pine Lane', 'Premium', '2023-04-05', '2023-10-05'),
- (5, 'Mike Brown', 9998887777, 'mike@example.com', '210 Cedar Rd', 'Standard', '2023-05-12', '2023-11-12'),
- (6, 'Eva Turner', 7771112222, 'eva@example.com', '303 Maple Street', 'Basic', '2023-06-20', '2023-12-20'),
- (7, 'Robert White', 9991113333, 'robert@example.com', '15 Oakwood Drive', 'Premium', '2023-07-10', '2024-01-10'),
- (8, 'Olivia Lee', 8884445555, 'olivia@example.com', '505 Pine Avenue', 'Standard', '2023-08-05', '2024-02-05'),
- (9, 'William Baker', 2223334444, 'william@example.com', '1010 Elm Court', 'Premium', '2023-09-15', '2024-03-15'),
- (10, 'Sophie King', 6669998888, 'sophie@example.com', '22 Cedar Lane', 'Basic', '2023-10-18', '2024-04-18'),
- (11, 'Isabella Moore', 7772223333, 'isabella@example.com', '909 Park Avenue', 'Premium', '2023-11-05', '2024-05-05'),
- (12, 'Ethan Hall', 8883334444, 'ethan@example.com', '707 Elm Street', 'Basic', '2023-12-10', '2024-06-10'),
- (13, 'Aria Ward', 9994445555, 'aria@example.com', '606 Cedar Avenue', 'Standard', '2024-01-15', '2024-07-15'),

- (14, 'Logan James', 1112223333, 'logan@example.com', '404 Oak Lane', 'Basic', '2024-02-20', '2024-08-20'),
- (15, 'Harper Scott', 2223334444, 'harper@example.com', '303 Pine Road', 'Premium', '2024-03-25', '2024-09-25'),
- (16, 'Liam Harris', 3334445555, 'liam@example.com', '212 Maple Avenue', 'Standard', '2024-04-10', '2024-10-10'),
- (17, 'Amelia Nelson', 4445556666, 'amelia@example.com', '111 Oak Street', 'Basic', '2024-05-15', '2024-11-15'),
- (18, 'Elijah Carter', 5556667777, 'elijah@example.com', '909 Elm Lane', 'Premium', '2024-06-20', '2024-12-20'),
- (19, 'Avery Rivera', 6667778888, 'avery@example.com', '707 Cedar Road', 'Basic', '2024-07-25', '2025-01-25'),
- (20, 'Mia Watson', 7778889999, 'mia@example.com', '505 Pine Lane', 'Premium', '2024-08-30', '2025-02-28'),
- (21, 'Evelyn Cooper', 5556667777, 'evelyn@example.com', '303 Oakwood Avenue', 'Premium', '2024-09-05', '2025-03-05'),
- (22, 'Henry Morgan', 6667778888, 'henry@example.com', '202 Pine Street', 'Standard', '2024-10-10', '2025-04-10'),
- (23, 'Charlotte Bennett', 7778889999, 'charlotte@example.com', '101 Elm Road', 'Basic', '2024-11-15', '2025-05-15'),
- (24, 'Gabriel Hayes', 8889990000, 'gabriel@example.com', '505 Cedar Lane', 'Premium', '2024-12-20', '2025-06-20'),
- (25, 'Luna Reed', 9990001111, 'luna@example.com', '707 Maple Street', 'Basic', '2025-01-25', '2025-07-25'),
- (26, 'Leo Phillips', 1112223333, 'leo@example.com', '909 Oak Avenue', 'Premium', '2025-02-28', '2025-08-28'),
- (27, 'Stella Richardson', 2223334444, 'stella@example.com', '111 Pine Drive', 'Standard', '2025-03-05', '2025-09-05'),
- (28, 'Jack Murphy', 3334445555, 'jack@example.com', '212 Elm Court', 'Basic', '2025-04-10', '2025-10-10'),

- (29, 'Lucy Foster', 4445556666, 'lucy@example.com', '404 Cedar Road', 'Premium', '2025-05-15', '2025-11-15'),
- (30, 'Owen Gray', 5556667777, 'owen@example.com', '606 Oak Lane', 'Standard', '2025-06-20', '2025-12-20');

select * from members;

TABLE STAFF:

INSERT INTO staff VALUES

- (101, 'Emily Davis', 1112223333, 'emily@example.com', 'Trainer', 35000, '2020-07-01'),
- (102, 'David Clark', 4445556666, 'david@example.com', 'Manager', 50000, '2019-12-15'),
- (103, 'Sophia Garcia', 7778889999, 'sophia@example.com', 'Receptionist', 30000, '2021-02-28'),
- (104, 'Michael Martinez', 6667778888, 'michael@example.com', 'Janitor', 25000, '2022-05-10'),
- (105, 'Emma Rodriguez', 1231231234, 'emma@example.com', 'Trainer', 38000, '2023-01-20'),
- (106, 'Liam Wright', 5556667777, 'liam@example.com', 'Trainer', 38000, '2023-02-10'),
- (107, 'Ava Scott', 3334445555, 'ava@example.com', 'Receptionist', 30000, '2023-03-20'),
- (108, 'Noah King', 7778889999, 'noah@example.com', 'Trainer', 40000, '2023-04-25'),
- (109, 'Mia Turner', 2223334444, 'mia@example.com', 'Manager', 55000, '2023-05-05'),
- (110, 'James Adams', 8889990000, 'james@example.com', 'Janitor', 26000, '2023-06-15'),
- (111, 'Mason Baker', 4445556666, 'mason@example.com', 'Trainer', 39000, '2023-07-20'),

- (112, 'Evelyn Reed', 5556667777, 'evelyn@example.com', 'Receptionist', 31000, '2023-08-25'),
- (113, 'Jackson Price', 6667778888, 'jackson@example.com', 'Manager', 56000, '2023-09-30'),
- (114, 'Scarlett Cooper', 7778889999, 'scarlett@example.com', 'Janitor', 27000, '2023-10-05'),
- (115, 'Aiden Stewart', 8889990000, 'aiden@example.com', 'Trainer', 40000, '2023-11-10'),
- (116, 'Sebastian Gray', 9990001111, 'sebastian@example.com', 'Trainer', 42000, '2024-01-15'),
- (117, 'Riley Evans', 1112223333, 'riley@example.com', 'Receptionist', 32000, '2024-02-20'),
- (118, 'Zoe Perez', 2223334444, 'zoe@example.com', 'Manager', 58000, '2024-03-25'),
- (119, 'Nathan Cooper', 3334445555, 'nathan@example.com', 'Janitor', 28000, '2024-04-30'),
- (120, 'Sofia Ross', 4445556666, 'sofia@example.com', 'Trainer', 41000, '2024-05-05'),
- (121, 'Hannah Cooper', 6667778888, 'hannah@example.com', 'Trainer', 43000, '2024-06-20'),
- (122, 'Samuel Coleman', 7778889999, 'samuel@example.com', 'Receptionist', 33000, '2024-07-25'),
- (123, 'Grace Jenkins', 8889990000, 'grace@example.com', 'Manager', 59000, '2024-08-30'),
- (124, 'Christopher Barnes', 9990001111, 'christopher@example.com', 'Janitor', 29000, '2024-09-05'),
- (125, 'Penelope Parker', 1112223333, 'penelope@example.com', 'Trainer', 42000, '2024-10-10'),
- (126, 'Mateo Wright', 2223334444, 'mateo@example.com', 'Receptionist', 34000, '2024-11-15'),

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(127, 'Aubrey Diaz', 3334445555, 'aubrey@example.com', 'Manager', 60000, '2024-12-20'),
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- (128, 'Victoria Long', 4445556666, 'victoria@example.com', 'Janitor', 30000, '2025-01-25'),
- (129, 'Xavier Howard', 5556667777, 'xavier@example.com', 'Trainer', 44000, '2025-02-28'),
- (130, 'Zoe Morris', 6667778888, 'zoe@example.com', 'Receptionist', 35000, '2025-03-05');

select * from staff;

TABLE ATTENDANCE:

INSERT INTO attendance VALUES

- (1, 1, '2023-12-01', '08:00:00', '16:30:00'),
- (2, 2, '2023-12-01', '09:15:00', '18:00:00'),
- (3, 3, '2023-12-01', '07:45:00', '17:45:00'),
- (4, 4, '2023-12-01', '10:00:00', '19:00:00'),
- (5, 5, '2023-12-01', '08:30:00', '17:30:00'),
- (6, 6, '2023-12-02', '09:00:00', '17:00:00'),
- (7, 7, '2023-12-02', '08:30:00', '16:30:00'),
- (8, 8, '2023-12-02', '10:15:00', '18:15:00'),
- (9, 9, '2023-12-02', '07:45:00', '16:45:00'),
- (10, 10, '2023-12-02', '09:30:00', '17:30:00'),
- (11, 11, '2023-12-03', '08:15:00', '16:15:00'),
- (12, 12, '2023-12-03', '09:30:00', '17:30:00'),
- (13, 13, '2023-12-03', '07:45:00', '15:45:00'),
- (14, 14, '2023-12-03', '10:00:00', '18:00:00'),
- (15, 15, '2023-12-03', '08:45:00', '16:45:00'),

```
(16, 16, '2024-01-03', '09:00:00', '17:00:00'), (17, 17, '2024-01-03', '08:30:00', '16:30:00'), (18, 18, '2024-01-03', '10:15:00', '18:15:00'), (19, 19, '2024-01-03', '07:45:00', '15:45:00'), (20, 20, '2024-01-03', '09:30:00', '17:30:00'), (21, 21, '2025-01-03', '09:00:00', '17:00:00'), (22, 22, '2025-01-03', '08:30:00', '16:30:00'), (23, 23, '2025-01-03', '10:15:00', '18:15:00'), (24, 24, '2025-01-03', '07:45:00', '15:45:00'), (25, 25, '2025-01-03', '09:30:00', '17:30:00'), (27, 27, '2025-01-03', '08:00:00', '16:00:00'), (27, 27, '2025-01-03', '10:30:00', '18:30:00'), (29, 29, '2025-01-03', '07:30:00', '15:30:00'), (29, 29, '2025-01-03', '09:15:00', '17:15:00'), (30, 30, '2025-01-03', '08:45:00', '16:45:00');
```

TABLE PAYMENTS:

select * from attendance;

INSERT INTO payments VALUES

```
(501, 1, 5000, 'Credit Card', '2023-12-03', '6-month Premium'), (502, 2, 3000, 'Cash', '2023-12-05', '3-month Standard'), (503, 3, 2000, 'Debit Card', '2023-12-08', '3-month Basic'), (504, 4, 5500, 'Credit Card', '2023-12-10', '6-month Premium'), (505, 5, 4000, 'Cash', '2023-12-12', '3-month Standard'), (506, 6, 2500, 'Debit Card', '2023-12-15', '6-month Basic'), (507, 7, 6000, 'Credit Card', '2023-12-18', '6-month Premium'),
```

```
(508, 8, 3500, 'Cash', '2023-12-20', '3-month Standard'),
(509, 9, 6200, 'Credit Card', '2023-12-22', '6-month Premium'),
(510, 10, 3000, 'Cash', '2023-12-25', '3-month Basic'),
(511, 11, 6500, 'Credit Card', '2023-12-28', '6-month Premium'),
(512, 12, 2800, 'Cash', '2023-12-30', '3-month Basic'),
(513, 13, 4000, 'Debit Card', '2024-01-02', '3-month Standard'),
(514, 14, 2900, 'Cash', '2024-01-05', '3-month Basic'),
(515, 15, 7000, 'Credit Card', '2024-01-08', '6-month Premium'),
(516, 16, 3500, 'Debit Card', '2024-01-12', '3-month Standard'),
(517, 17, 2700, 'Cash', '2024-01-15', '3-month Basic'),
(518, 18, 6500, 'Credit Card', '2024-01-18', '6-month Premium'),
(519, 19, 2900, 'Cash', '2024-01-21', '3-month Basic'),
(520, 20, 7200, 'Credit Card', '2024-01-24', '6-month Premium'),
(521, 21, 3700, 'Debit Card', '2025-01-12', '3-month Standard'),
(522, 22, 2900, 'Cash', '2025-01-15', '3-month Basic'),
(523, 23, 6700, 'Credit Card', '2025-01-18', '6-month Premium'),
(524, 24, 3100, 'Cash', '2025-01-21', '3-month Basic'),
(525, 25, 7400, 'Credit Card', '2025-01-24', '6-month Premium'),
(526, 26, 3600, 'Debit Card', '2025-01-27', '3-month Standard'),
(527, 27, 2800, 'Cash', '2025-01-30', '3-month Basic'),
(528, 28, 6800, 'Credit Card', '2025-02-02', '6-month Premium'),
(529, 29, 3200, 'Cash', '2025-02-05', '3-month Basic'),
(530, 30, 7500, 'Credit Card', '2025-02-08', '6-month Premium');
select * from payments;
```

#QUERIES

#Retrieve all members' names and email addresses:

SELECT membername, email FROM members;

John Doe	john@example.com
Jane Smith	jane@example.com
Alex Johnson	alex@example.com
Sarah Wilson	sarah@example.com
Mike Brown	mike@example.com
Eva Turner	eva@example.com
Robert White	robert@example.com
Olivia Lee	olivia@example.com
William Baker	william@example.com
Sophie King	sophie@example.com
Isabella Moore	isabella@example.com
Ethan Hall	ethan@example.com
Aria Ward	aria@example.com
Logan James	logan@example.com
Harper Scott	harper@example.com
Liam Harris	liam@example.com
Amelia Nelson	amelia@example.com
Elijah Carter	elijah@example.com
Avery Rivera	avery@example.com
Mia Watson	mia@example.com
Evelyn Cooper	evelyn@example.com
Henry Morgan	henry@example.com
Charlotte Bennett	charlotte@example.com
Gabriel Hayes	gabriel@example.com
Luna Reed	luna@example.com
Leo Phillips	<u>leo@example.com</u>
Stella Richardson	stella@example.com
Jack Murphy	jack@example.com
Lucy Foster	<u>lucy@example.com</u>
Owen Gray	owen@example.com

membername	email
Alex Johnson	alex@example.com
Amelia Nelson	amelia@example.com
Aria Ward	aria@example.com
Avery Rivera	avery@example.com
Charlotte Be	charlotte@example
Elijah Carter	elijah@example.com
Ethan Hall	ethan@example.com
Eva Turner	eva@example.com
Evelyn Cooper	evelyn@example.com
Gabriel Hayes	gabriel@example.com
Harper Scott	harper@example.com
Henry Morgan	henry@example.com
Isabella Moore	isabella@example.com
Jack Murphy	jack@example.com
Jane Smith	jane@example.com
John Doe	john@example.com
Leo Phillips	leo@example.com
Liam Harris	liam@example.com
Logan James	logan@example.com
Lucy Foster	lucy@example.com
Luna Reed	luna@example.com
Mia Watson	mia@example.com
Mike Brown	mike@example.com
Olivia Lee	olivia@example.com
Owen Gray	owen@example.com
Robert White	robert@example.com
Sarah Wilson	sarah@example.com
Sophie King	sophie@example.com
Stella Richar	stella@example.com
William Baker	william@example.com

#Get the details of staff members who are trainers:

SELECT * FROM staff WHERE post = 'Trainer';

101	Emily Davis	1112223333	emily@example.com	Trainer	35000	2020-07-01

105	Emma	1231231234	emma@example.com	Trainer	38000	2023-01-20
	Rodriguez					
106	Liam Wright	5556667777	liam@example.com	Trainer	38000	2023-02-10
108	Noah King	7778889999	noah@example.com	Trainer	40000	2023-04-25
111	Mason Baker	4445556666	mason@example.com	Trainer	39000	2023-07-20
115	Aiden Stewart	8889990000	aiden@example.com	Trainer	40000	2023-11-10
116	Sebastian Gray	9990001111	sebastian@example.com	Trainer	42000	2024-01-15
120	Sofia Ross	4445556666	sofia@example.com	Trainer	41000	2024-05-05
121	Hannah	6667778888	hannah@example.com	Trainer	43000	2024-06-20
	Cooper					
125	Penelope	1112223333	penelope@example.com	Trainer	42000	2024-10-10
	Parker					
129	Xavier	5556667777	xavier@example.com	Trainer	44000	2025-02-28
	Howard					

staff_id	name	contact	email_id	post	salary	joining_date
101	Emily Davis	1112223333	emily@example.com	Trainer	35000	2020-07-01
105	Emma Rodriguez	1231231234	emma@example.com	Trainer	38000	2023-01-20
106	Liam Wright	5556667777	liam@example.com	Trainer	38000	2023-02-10
108	Noah King	7778889999	noah@example.com	Trainer	40000	2023-04-25
111	Mason Baker	4445556666	mason@example.com	Trainer	39000	2023-07-20
115	Aiden Stewart	8889990000	aiden@example.com	Trainer	40000	2023-11-10
116	Sebastian Gray	9990001111	sebastian@example.com	Trainer	42000	2024-01-15
120	Sofia Ross	4445556666	sofia@example.com	Trainer	41000	2024-05-05
121	Hannah Cooper	6667778888	hannah@example.com	Trainer	43000	2024-06-20
125	Penelope Parker	1112223333	penelope@example.com	Trainer	42000	2024-10-10
129	Xavier Howard	5556667777	xavier@example.com	Trainer	44000	2025-02-28
NULL	NULL	NULL	NULL	NULL	NULL	NULL

#List the payments made using a credit card:

SELECT * FROM payments WHERE payment_type = 'Credit Card';

Į.	Emma Rodriguez	1231231234	<u>e</u>	mma@exar	mple.com	Trai	ner	38000	2023-01-20
	Liam Wright	5556667777	li	iam@examı	ole.com	Trai	ner	38000	2023-02-10
	Noah King	7778889999		oah@exam		Trai		40000	2023-04-25
	Mason Baker	4445556666	_	nason@exa		Trai	ner	39000	2023-07-20
115 A	Aiden Stewart	8889990000	a	iden@exan	nple.com	Trai	ner	40000	2023-11-10
116	Sebastian Gray	9990001111	S	ebastian@e	xample.com	Trai	ner	42000	2024-01-15
	Sofia Ross	4445556666		ofia@exam	ple.com	Trai	ner	41000	2024-05-05
	Hannah Cooper	6667778888	<u>h</u>	annah@exa	ample.com	Trai	ner	43000	2024-06-20
125 F	Penelope Parker	1112223333	p	enelope@e	xample.com	Trai	ner	42000	2024-10-10
	Xavier Howard	5556667777	<u>X</u>	avier@exar	mple.com	Trai	ner	44000	2025-02-28
120 121 125 129 NULL	Sofia Ross Hannah Coope Penelope Park Xavier Howard	er 11122233	88 33		xample.com example.com	Trai Trai Trai Trai	ner ner ner	41000 43000 42000 44000	2024-05-05 2024-06-20 2024-10-10 2025-02-28 NULL
	e payments m Γ*FROM payı				vpe = 'Credit	: Caro	1 ';		
SELECT		ments WHER	RE p	payment_ty				3-12-03	6 6-mont
SELECT	Γ * FROM payr	ments WHER		payment_ty	rpe = 'Credit Credit Car			3-12-03	
	Γ * FROM payr	ments WHER	RE p	payment_ty		d	2023	3-12-03 3-12-10	Premiu 6-mont
501	Γ * FROM payı	ments WHER	000	payment_ty	Credit Car	rd rd	2023 2023		Premiu 6-mont Premiu 6-mont 6-mont
501 504	Γ*FROM payr	5 5 6	000 500	payment_ty	Credit Car	rd rd	2023 2023 2023	3-12-10	Premiu 6-mont Premiu 6-mont Premiu 6-mont Premiu 6-mont
501 504 507 509	7 * FROM payr 1 4 7 9	5 5 6 6 6	0000 5000 0000	payment_ty	Credit Car Credit Car Credit Car	rd rd rd	2023 2023 2023 2023	3-12-10 3-12-18 3-12-22	Premiu O 6-mont Premiu B 6-mont Premiu C 6-mont Premiu Premiu
501 504 507 509 511	7 * FROM payr 1 4 7 9 11	5 5 6 6 6 6 6	0000 5000 0000 5000	payment_ty	Credit Car Credit Car Credit Car Credit Car Credit Car	rd rd rd	2023 2023 2023 2023 2023	3-12-10 3-12-18 3-12-22 3-12-28	Premiu O 6-mont Premiu B 6-mont Premiu C 6-mont Premiu C 6-mont Premiu Premiu Premiu Premiu
501 504 507 509	7 * FROM payr 1 4 7 9	5 5 6 6 6 6 6	0000 5000 0000	payment_ty	Credit Car Credit Car Credit Car	rd rd rd	2023 2023 2023 2023 2023	3-12-10 3-12-18 3-12-22	Premiu O 6-mont Premiu B 6-mont Premiu C 6-mont Premiu C 6-mont Premiu R 6-mont Premiu Premiu

520	20	7200	Credit Card	2024-01-24	6-month
					Premium
523	23	6700	Credit Card	2025-01-18	6-month
					Premium
525	25	7400	Credit Card	2025-01-24	6-month
					Premium
528	28	6800	Credit Card	2025-02-02	6-month
					Premium
530	30	7500	Credit Card	2025-02-08	6-month
					Premium

paymentid	memberid	amount	payment_type	payment_date	package 🔺
501	1	5000	Credit Card	2023-12-03	6-month Premium
504	4	5500	Credit Card	2023-12-10	6-month Premium
507	7	6000	Credit Card	2023-12-18	6-month Premium
509	9	6200	Credit Card	2023-12-22	6-month Premium
511	11	6500	Credit Card	2023-12-28	6-month Premium
515	15	7000	Credit Card	2024-01-08	6-month Premium
518	18	6500	Credit Card	2024-01-18	6-month Premium
520	20	7200	Credit Card	2024-01-24	6-month Premium
523	23	6700	Credit Card	2025-01-18	6-month Premium
525	25	7400	Credit Card	2025-01-24	6-month Premium
528	28	6800	Credit Card	2025-02-02	6-month Premium
530	30	7500	Credit Card	2025-02-08	6-month Premium
NULL	NULL	NULL	NULL	NULL	NULL

523525528530	23 25 28 30		6700 7400	Credit Ca			Premiu
528	28		7400		rd	2025-01-18	6-mon
				Credit Ca	rd	2025-01-24	Premiu 6-mon
530	30		6800	Credit Ca	rd	2025-02-02	Premiu 6-mont
			7500	Credit Ca	rd	2025-02-08	Premiu 6-mont
							Premiu
paymentid	memberid	amount	payment_type	payment_date	pad	kage 🔺	
501	1	5000	Credit Card	2023-12-03		onth Premium	
504	4	5500	Credit Card	2023-12-10		onth Premium	
507	7	6000	Credit Card	2023-12-18		onth Premium	
509 511	9	6200 6500	Credit Card Credit Card	2023-12-22 2023-12-28		onth Premium	
515	15	7000	Credit Card	2023-12-28		onth Premium onth Premium	
518	18	6500	Credit Card	2024-01-08		onth Premium	
520	20	7200	Credit Card	2024-01-18		onth Premium	
523	23	6700	Credit Card	2025-01-18		onth Premium	
525				2025-01-18			
528	45		Credit Card		6-ma	onth Premium	
	25 28	7400	Credit Card			onth Premium	
530 NULL	25 28 30 NULL		Credit Card Credit Card Credit Card	2025-02-02 2025-02-08	6-mo	onth Premium onth Premium onth Premium	
NULL	28 30 NULL	7400 6800 7500	Credit Card Credit Card	2025-02-02 2025-02-08 NULL	6-mo	onth Premium onth Premium	ined after
ниц ‡Display 1	28 30 NULL nember namember namembernam	7400 6800 7500 RULL	Credit Card Credit Card	2025-02-02 2025-02-08 NULL	6-mo	onth Premium onth Premium or those who jo	
#Display r SELECT m 2024-01-03	28 30 NULL nember namembernam	7400 6800 7500 RULL	Credit Card Credit Card NULL ing dates, and r	2025-02-02 2025-02-08 NULL membership ty	6-mo	onth Premium onth Premium or those who journembers WHEF	
#Display r SELECT m 2024-01-01	nember namembernam	7400 6800 7500 RULL	Credit Card Credit Card RULL ing dates, and r g_date, member	2025-02-02 2025-02-08 HULL membership ty rship_type FRC	6-mo	onth Premium onth Premium or those who journembers WHEF	
#Display r SELECT m 2024-01-01 Aria Wa Logan Ja	nember namembernam	7400 6800 7500 RULL	ing dates, and radate, member 2024-01-2024-02-	2025-02-02 2025-02-08 HULL membership ty rship_type FRC	6-mo	onth Premium onth Premium or those who journembers WHEF	RE joining
#Display r SELECT m 2024-01-02 Aria Wa Logan Ja Harper S	nember names scott	7400 6800 7500 RULL	credit Card Credit Card RULL ing dates, and r g_date, member 2024-01- 2024-02- 2024-03-	2025-02-02 2025-02-08 NULL membership ty rship_type FRC	6-mo	onth Premium onth Premium or those who journembers WHEF Standard Basic Premium	RE joining
#Display r SELECT m 2024-01-02 Aria Wa Logan Ja Harper S Liam Ha	nember names cott rris	7400 6800 7500 RULL	Credit Card Credit Card RULL Ing dates, and r g_date, member 2024-01- 2024-02- 2024-03- 2024-04-	2025-02-02 2025-02-08 MULL membership ty rship_type FRC	6-mo	onth Premium onth Premium or those who journembers WHEF Standard Basic Premium Standard	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I	nember namembernames cott rris Nelson	7400 6800 7500 RULL	2024-01- 2024-02- 2024-04- 2024-05-	2025-02-02 2025-02-08 NULL membership ty rship_type FRC	6-mo	onth Premium onth Premium or those who journembers WHEF Standard Basic Premium Standard Basic	RE joining
#Display r SELECT m 2024-01-01 Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah C	nember namembernament; rd umes scott rris Nelson arter	7400 6800 7500 RULL	2024-01- 2024-03- 2024-05- 2024-06-	2025-02-02 2025-02-08 NULL membership ty rship_type FRC 15 20 25 10 15 20	6-mo	Standard Basic Premium Standard Basic Premium Standard Basic Premium	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah Ca	nember names cott rris Velson arter ivera	7400 6800 7500 RULL	2024-01- 2024-03- 2024-06- 2024-07-	2025-02-02 2025-02-08 FULL membership ty rship_type FRC 20 25 10 15 20 25	6-mo	Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Basic	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah C Avery R Mia Wat	nember namember names scott rris Nelson arter ivera son	7400 6800 7500 RULL	2024-01- 2024-02- 2024-04- 2024-05- 2024-06- 2024-08-	2025-02-02 2025-02-08 membership ty rship_type FRC 15 20 25 10 15 20 25 30	6-mo	Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Basic Premium Premium Basic Premium Basic	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah Ca Avery R Mia Wat	nember namember namembernames cott rris Nelson arter ivera son Cooper	7400 6800 7500 RULL	2024-01- 2024-02- 2024-04- 2024-05- 2024-06- 2024-08- 2024-09-	2025-02-02 2025-02-08 MULL membership ty rship_type FRC 15 20 25 10 15 20 25 30 05	6-mo	Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Premium Premium Premium	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah Ca Avery R Mia Wat Evelyn C Henry M	nember namember names cott rris Nelson arter ivera son Cooper lorgan	7400 6800 7500 RULL	2024-01- 2024-02- 2024-04- 2024-05- 2024-06- 2024-08- 2024-09- 2024-10-	2025-02-02 2025-02-08 NULL membership ty rship_type FRC 25 10 15 20 25 30 05 10	6-mo	Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Standard Standard Standard Basic	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah Ca Avery R Mia Wat Evelyn C Henry M	nember namember namembernames cott rris Nelson arter ivera son Cooper	7400 6800 7500 RULL	2024-01- 2024-02- 2024-04- 2024-05- 2024-06- 2024-08- 2024-09-	2025-02-02 2025-02-08 NULL membership ty rship_type FRC 25 10 15 20 25 30 05 10	6-mo	Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Premium Premium Premium	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah Ca Avery R Mia Wat Evelyn C Henry M	nember namember namembernames scott rris Nelson arter ivera son Cooper lorgan e Bennett	7400 6800 7500 RULL	2024-01- 2024-02- 2024-04- 2024-05- 2024-06- 2024-08- 2024-09- 2024-10-	2025-02-02 2025-02-08 membership ty rship_type FRC 15 20 25 10 15 20 25 30 05 10 15	6-mo	Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Basic Premium Standard Standard Standard Standard Basic	RE joining
Aria Wa Logan Ja Harper S Liam Ha Amelia I Elijah Ca Avery R Mia Wat Evelyn C Henry M Charlott	nember namember namembernames cott rris Nelson arter ivera son Cooper lorgan e Bennett Hayes	7400 6800 7500 RULL	2024-01- 2024-02- 2024-04- 2024-05- 2024-06- 2024-08- 2024-10- 2024-11-	2025-02-02 2025-02-08 RULL membership ty rship_type FRC 25 10 15 20 25 30 05 10 15 20	6-mo	Standard Basic Premium Standard Basic Premium Basic Premium Basic Premium Basic Premium Basic Premium Basic Premium Basic	RE joining

Stella Richardson	2025-03-05	Standard
Jack Murphy	2025-04-10	Basic
Lucy Foster	2025-05-15	Premium
Owen Gray	2025-06-20	Standard

membername	joining_date	membership_type
Logan James	2024-02-20	Basic
Amelia Nelson	2024-05-15	Basic
Avery Rivera	2024-07-25	Basic
Charlotte Ben	2024-11-15	Basic
Luna Reed	2025-01-25	Basic
Jack Murphy	2025-04-10	Basic
Harper Scott	2024-03-25	Premium
Elijah Carter	2024-06-20	Premium
Mia Watson	2024-08-30	Premium
Evelyn Cooper	2024-09-05	Premium
Gabriel Hayes	2024-12-20	Premium
Leo Phillips	2025-02-28	Premium
Lucy Foster	2025-05-15	Premium
Aria Ward	2024-01-15	Standard
Liam Harris	2024-04-10	Standard
Henry Morgan	2024-10-10	Standard
Stella Richard	2025-03-05	Standard
Owen Gray	2025-06-20	Standard

#Find the highest salary among staff members:

SELECT MAX(salary) AS highest_salary FROM staff;

HIGHEST_SALARY 60000

highest_salary 60000

#Retrieve the latest attendance record date:

SELECT MAX(date_) AS latest_attendance_date FROM attendance;

LATEST_ATTENDANCE_DATE 2025-01-03

latest_attendance_date

2025-01-03

	ECT * FROM	A members WH	[ERE membership_type = 'P	remium';		
1	John Doe	123456789 0	john@example.com	123 Main St	Premiu m	2023 -01- 15
4	Sarah Wilson	333222111	sarah@example.com	101 Pine Lane	Premiu m	2023 -04- 05
7	Robert White	999111333	robert@example.com	15 Oakwoo d Drive	Premiu m	2023 -07- 10
9	Willia m Baker	222333444 4	william@example.co m	1010 Elm Court	Premiu m	2023 -09- 15
1	Isabella Moore	777222333	isabella@example.co m	909 Park Avenue	Premiu m	2023 -11- 05
1 5	Harper Scott	222333444 4	harper@example.com	303 Pine Road	Premiu m	2024 -03- 25
1 8	Elijah Carter	555666777 7	elijah@example.com	909 Elm Lane	Premiu m	2024 -06- 20
2 0	Mia Watson	777888999 9	mia@example.com	505 Pine Lane	Premiu m	2024 -08- 30
2	Evelyn Cooper	555666777 7	evelyn@example.com	303 Oakwoo d Avenue	Premiu m	2024 -09- 05
2 4	Gabriel Hayes	888999000 0	gabriel@example.com	505 Cedar Lane	Premiu m	2024 -12- 20
2 6	Leo Phillips	111222333	leo@example.com	909 Oak Avenue	Premiu m	2025 -02- 28
9	Lucy Foster	444555666 6	lucy@example.com	404 Cedar Road	Premiu m	2025 -05- 15

memberid	membername	contact_no	email	address	membership_type	joining_date	expiry_date
1	John Doe	1234567890	john@example.com	123 Main St	Premium	2023-01-15	2023-07-15
4	Sarah Wilson	3332221111	sarah@example.com	101 Pine Lane	Premium	2023-04-05	2023-10-05
7	Robert White	9991113333	robert@example.com	15 Oakwood Drive	Premium	2023-07-10	2024-01-10
9	William Baker	2223334444	william@example.com	1010 Elm Court	Premium	2023-09-15	2024-03-15
11	Isabella Moore	7772223333	isabella@example.com	909 Park Avenue	Premium	2023-11-05	2024-05-05
15	Harper Scott	2223334444	harper@example.com	303 Pine Road	Premium	2024-03-25	2024-09-25
18	Elijah Carter	5556667777	elijah@example.com	909 Elm Lane	Premium	2024-06-20	2024-12-20
20	Mia Watson	7778889999	mia@example.com	505 Pine Lane	Premium	2024-08-30	2025-02-28
21	Evelyn Cooper	5556667777	evelyn@example.com	303 Oakwood Avenue	Premium	2024-09-05	2025-03-05
24	Gabriel Hayes	8889990000	gabriel@example.com	505 Cedar Lane	Premium	2024-12-20	2025-06-20
26	Leo Phillips	1112223333	leo@example.com	909 Oak Avenue	Premium	2025-02-28	2025-08-28
29	Lucy Foster	4445556666	lucy@example.com	404 Cedar Road	Premium	2025-05-15	2025-11-15
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

#List the names and email addresses of staff members who joined in 2023:

SELECT name, email_id FROM staff WHERE YEAR(joining_date) = 2023;

1 4 7 9		ame contact_no	email	address	memb	ership_type	joining_date
7	John Doe	1234567890	john@example.com	123 Main St	Premiu	ım	2023-01-15
9	Sarah Wils	on 3332221111	sarah@example.com	101 Pine Lane	Premiu	ım	2023-04-05
	Robert Wi		robert@example.com	15 Oakwood D			2023-07-10
11	William Bal		william@example.com	10 10 Elm Cour			2023-09-15
15	Isabella M Harper So		isabella@example.com harper@example.com	909 Park Aven 303 Pine Road			2023-11-05 2024-03-25
18	Elijah Cart		elijah@example.com	909 Elm Lane	Premiu Premiu		2024-03-25
20	Mia Watso		mia@example.com	505 Pine Lane	Premiu		2024-08-30
21	Evelyn Co	oper 5556667777	evelyn@example.com	303 Oakwood	Avenue Premiu	ım	2024-09-05
24	Gabriel Ha	yes 8889990000	gabriel@example.com	505 Cedar Lan	e Premiu	ım	2024-12-20
26	Leo Phillips		leo@example.com	909 Oak Aven			2025-02-28
29 NULL	NULL NULL	er 4445556666 NULL	lucy@example.com	404 Cedar Roa	ad Premiu	ım	2025-05-15 NULL
SELI	John	email_id FRON 123456789	I staff WHERE YI john@examp	V C	g_date) = 202	Premi	u 2023
	Doe	0			Main St	m	-01-
							15
4	Sarah	333222111	sarah@exam	ole.com	101 Pine	Premi	
•	Wilson	1	Surum Conum		Lane	m	-04
	1113011	1			Lanc	111	05
7	Doba	000111222	#0 h c = 4 @	mla asc	15	D.a.s '	
7	Robert	999111333	robert@exam	pie.com	15	Premi	
	White	3			Oakwoo	m	-07-
					d Drive		10
9	Willia	222333444	william@exa	mple.co	1010	Premi	u 202
	m	4	m		Elm	m	-09-
	Baker				Court		15
1	Isabella	777222333	isabella@exa	mnle co	909 Park	Premi	
1	Moore	3	m	inpic.co	Avenue	m	-11-
1	Wioorc	3	111		Avenue	111	05
1	7.7	22222444	1 0	1	202 D.	ъ.	
1	Harper	222333444	harper@exam	ipie.com	303 Pine	Premi	
5	Scott	4			Road	m	-03-
							25
	Elijah	555666777	elijah@exam	ple.com	909 Elm	Premi	u 202
1	_	7			Lane	m	-06-
1 8	Carter	1					20
	Carter					+	
8		777888999	mja@example	e.com	505 Pine	Premi	
8	Mia	777888999	mia@exampl	e.com	505 Pine	Premi	_08
8		777888999	mia@exampl	e.com	505 Pine Lane	Premi m	I
8 2 0	Mia Watson	9	1		Lane	m	30
8 2 0	Mia Watson	9 555666777	mia@example evelyn@exan		Lane 303	m Premi	30 u 202
8 2 0	Mia Watson	9	1		Lane 303 Oakwoo	m	30 u 202 -09-
8 2 0	Mia Watson	9 555666777	1		Lane 303	m Premi	30 u 202
8 2 0	Mia Watson	9 555666777	1		Lane 303 Oakwoo	m Premi	30 u 202 -09-
2 0 2 1	Mia Watson Evelyn Cooper	9 555666777 7	evelyn@exan	nple.com	Lane 303 Oakwoo d Avenue	m Premi m	30 u 202 -09- 05
8 2 0 2 1	Mia Watson Evelyn Cooper	9 555666777 7 888999000	1	nple.com	303 Oakwoo d Avenue 505	Premi m Premi	u 202 -09- 05 u 202
2 0 2 1	Mia Watson Evelyn Cooper	9 555666777 7	evelyn@exan	nple.com	Lane 303 Oakwoo d Avenue	m Premi m	30 u 202 -09- 05

2	Leo	111222333	leo@example.com	909 Oak	Premiu	2025	2025
6	Phillips	3		Avenue	m	-02-	-08-
	_					28	28
2	Lucy	444555666	lucy@example.com	404	Premiu	2025	2025
9	Foster	6		Cedar	m	-05-	-11-
				Road		15	15

memberid	membername	contact_no	email	address	membership_type	joining_date	expiry_date
1	John Doe	1234567890	john@example.com	123 Main St	Premium	2023-01-15	2023-07-15
4	Sarah Wilson	3332221111	sarah@example.com	101 Pine Lane	Premium	2023-04-05	2023-10-05
7	Robert White	9991113333	robert@example.com	15 Oakwood Drive	Premium	2023-07-10	2024-01-10
9	William Baker	2223334444	william@example.com	1010 Elm Court	Premium	2023-09-15	2024-03-15
11	Isabella Moore	7772223333	isabella@example.com	909 Park Avenue	Premium	2023-11-05	2024-05-05
15	Harper Scott	2223334444	harper@example.com	303 Pine Road	Premium	2024-03-25	2024-09-25
18	Elijah Carter	5556667777	elijah@example.com	909 Elm Lane	Premium	2024-06-20	2024-12-20
20	Mia Watson	7778889999	mia@example.com	505 Pine Lane	Premium	2024-08-30	2025-02-28
21	Evelyn Cooper	5556667777	evelyn@example.com	303 Oakwood Avenue	Premium	2024-09-05	2025-03-05
24	Gabriel Hayes	8889990000	gabriel@example.com	505 Cedar Lane	Premium	2024-12-20	2025-06-20
26	Leo Phillips	1112223333	leo@example.com	909 Oak Avenue	Premium	2025-02-28	2025-08-28
29	Lucy Foster	4445556666	lucy@example.com	404 Cedar Road	Premium	2025-05-15	2025-11-15
NULL	NULL	HULL	NULL	NULL	HULL	NULL	NULL

	Le Ph	illips	3	1222333	leo@example	.com	909 (Avei		Premi m	u	2025 -02- 28	20 -0 20
2 9		icy oster	44 6	4555666	lucy@exampl		404 Ceda Road		Premi m	u	2025 -05- 15	20 -1 1:
memb	erid	memberna	ame	contact_no	email	address		member	ship_type	joinir	ng_date	expiry
4		John Doe Sarah Wils	00	1234567890 3332221111	john@example.com sarah@example.com	123 Main St 101 Pine Lane		Premium			-01-15 -04-05	2023-0
7		Robert Wh		9991113333	robert@example.com	15 Oakwood Dri	ive	Premium Premium			-07-10	2023-1
9		William Bak		2223334444	william@example.com	1010 Elm Court		Premium			-09-15	2024-0
11		Isabella Mo		7772223333	isabella@example.com	909 Park Avenu	e	Premium			-11-05	2024-0
15		Harper Sco		2223334444	harper@example.com elijah@example.com	303 Pine Road 909 Elm Lane		Premium Premium			-03-25	2024-0
18		Elijah Carti Mia Watso		5556667777 7778889999	elijan@example.com mia@example.com	505 Pine Lane		Premium			-06-20 -08-30	2024-1
21		Evelyn Cod		5556667777	evelyn@example.com	303 Oakwood A	venue	Premium			-09-05	2025-0
24		Gabriel Ha		8889990000	gabriel@example.com	505 Cedar Lane		Premium			-12-20	2025-0
26		Leo Phillips		1112223333	leo@example.com	909 Oak Avenue		Premium			-02-28	2025-0
29		Lucy Foste	er	4445556666	lucy@example.com	404 Cedar Road	i	Premium		2025	-05-15	2025-1
Em Lia	ima m V	membe Rodrig Vright	rnaı	me, expiry_	expiry dates for th _date FROM mem	emma@	E exp	nple.co	om m			-12-3
Em Lia Ava No Mia	ıma ım V a Sc ah K	membe Rodrig Vright	rnai	me, expiry_		emma@ liam@e ava@ex noah@e mia@ex	exampexampexamp	mple.cople.comple.co	om m n m			-12-3
Em Lia Ava No Mia Jan	mma m V aa Sc ah F aa Tu	Rodrig Vright cott King urner Adams Baker	guez	me, expiry_		emma@ liam@e ava@ex	exampexampexampexamp	mple.cople.comple.comple.comple.comple.com	om m n m			-12- 3°
Em Lia Av. No Mia Jan Ma Eve	uma m V a Sc ah F a Tu nes son	Rodrig Vright cott King urner Adams Baker Reed	ruez	me, expiry_		emma@exama	examp examp examp examp examp examp exam	mple.cople.compl	om m n m n om			-12-3
Em Lia Av. No Mia Jan Ma Eve	uma m V a Sc ah F a Tu nes son	Rodrig Vright cott King urner Adams Baker	ruez	me, expiry_		emma@ liam@e ava@ex noah@e mia@ex james@ mason@evelyn@ jackson	examp examp examp examp exam exam exam exam exam	mple.comp	om m n om com com			-12-3
Em Lia Av No Mia Jan Ma Eve Jac Sca	mma m V a Scah F a Tunes son elyn kson	Rodrig Vright cott King urner Adams Baker Reed	rnar	me, expiry_		emma@examason@evelyn@exelvel	exampexampexampexampexamexampexamexamexamexamexamexamexamexamexamexam	mple.cople.compl	om m n n com com com com			-12-3

name	email_id
Aiden Stewart	aiden@example.com
Ava Scott	ava@example.com
Emma Rodriguez	emma@example.com
Evelyn Reed	evelyn@example.com
Jackson Price	jackson@example.com
James Adams	james@example.com
Liam Wright	liam@example.com
Mason Baker	mason@example.com
Mia Turner	mia@example.com
Noah King	noah@example.com
Scarlett Cooper	scarlett@example.com

	ne	email_id	AN.			
Aide	n Stewart	aiden@example.co	om			
Ava	Scott	ava@example.com				
Emm	a Rodriguez	emma@example.c	com			
Evel	yn Reed	evelyn@example.	com			
Jack	son Price	jackson@example	.com			
	es Adams	james@example.c				
	Wright	liam@example.com				
	on Baker	mason@example.				
	Turner	mia@example.com				
	King lett Cooper	noah@example.co scarlett@example				
SUB	QUERIES					
		'Credit Card');	ERE memberid IN (SELECT :	I	T	
	nent_type =	'Credit Card');	john@example.com	123	Premiu	202
oayr	nent_type =	'Credit Card');				202
oayr	John Doe	'Credit Card');		123	Premiu	202 -01- 15
payr 1	John Doe	'Credit Card');	john@example.com	123 Main St	Premiu m	202 -01- 15 202 -04
1 4	John Doe Sarah Wilson	'Credit Card'); 123456789 0 333222111	john@example.com sarah@example.com	123 Main St 101 Pine Lane	Premiu m Premiu m	202 -01 15 202 -04 05
payr 1	John Doe Sarah Wilson Robert	123456789 0 333222111 1 999111333	john@example.com	123 Main St 101 Pine Lane	Premiu m	202 -01 15 202 -04 05 202
1 4	John Doe Sarah Wilson	'Credit Card'); 123456789 0 333222111	john@example.com sarah@example.com	123 Main St 101 Pine Lane 15 Oakwoo	Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07-
1 4	John Doe Sarah Wilson Robert White	123456789 0 333222111 1 999111333 3	john@example.com sarah@example.com robert@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive	Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10
1 4	John Doe Sarah Wilson Robert White William	123456789 0 333222111 1 999111333 3 222333444	john@example.com sarah@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010	Premiu m Premiu m Premiu	202 -01- 15 202 -04- 05 202 -07- 10 202
1 4	John Doe Sarah Wilson Robert White	123456789 0 333222111 1 999111333 3	john@example.com sarah@example.com robert@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm	Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09-
1 4 7 9	John Doe Sarah Wilson Robert White William Baker	123456789 0 333222111 1 999111333 3 222333444	john@example.com sarah@example.com robert@example.com william@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court	Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15
1 4 7 9 1	John Doe Sarah Wilson Robert White William Baker Isabella	123456789 0 333222111 1 999111333 3 222333444 4 777222333	john@example.com sarah@example.com robert@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park	Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202
1 4 7 9	John Doe Sarah Wilson Robert White William Baker	123456789 0 333222111 1 999111333 3 222333444	john@example.com sarah@example.com robert@example.com william@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court	Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202 -11-
1 4 7 9 1 1 1	John Doe Sarah Wilson Robert White William Baker Isabella Moore	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue	Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202 -11- 05
1 4 7 9 1 1 1	John Doe Sarah Wilson Robert White William Baker Isabella Moore Harper	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3	john@example.com sarah@example.com robert@example.com william@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue 303 Pine	Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202 -11- 05 202
1 4 7 9 1 1 1	John Doe Sarah Wilson Robert White William Baker Isabella Moore	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue	Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202 -11- 05 202 -03-
1 4 7 9 1 1 1	John Doe Sarah Wilson Robert White William Baker Isabella Moore Harper Scott	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com harper@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue 303 Pine Road	Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01 15 202 -04 05 202 -07 10 202 -09 15 202 -11 05 202 -03 25
1 4 7 9 1 1 5 1 1 5 1	John Doe Sarah Wilson Robert White William Baker Isabella Moore Harper	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue 303 Pine	Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01 15 202 -04 05 202 -07 10 202 -09 15 202 -11 05 202 -03 25 202
1 4 7 9 1 1 1 5	John Doe Sarah Wilson Robert White William Baker Isabella Moore Harper Scott	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com harper@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue 303 Pine Road	Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202 -11- 05 202 -03- 25 202 -06-
1 4 7 9 1 1 5 1 1 5 1	John Doe Sarah Wilson Robert White William Baker Isabella Moore Harper Scott Elijah Carter	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3 222333444 4	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com harper@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue 303 Pine Road 909 Elm Lane	Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202 -11- 05 202 -03- 25 202
1 4 7 9 1 1 5 1 1 5 1	John Doe Sarah Wilson Robert White William Baker Isabella Moore Harper Scott Elijah	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3 222333444 4	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com harper@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue 303 Pine Road 909 Elm	Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01- 15 202 -04- 05 202 -07- 10 202 -09- 15 202 -11- 05 202 -03- 25 202 -06-
1 4 7 9 1 1 5 1 8	John Doe Sarah Wilson Robert White William Baker Isabella Moore Harper Scott Elijah Carter	123456789 0 333222111 1 999111333 3 222333444 4 777222333 3 222333444 4	john@example.com sarah@example.com robert@example.com william@example.com isabella@example.com harper@example.com elijah@example.com	123 Main St 101 Pine Lane 15 Oakwoo d Drive 1010 Elm Court 909 Park Avenue 303 Pine Road 909 Elm Lane	Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m Premiu m	202 -01 15 202 -04 05 202 -07 10 202 -09 15 202 -03 25 202 -06 20

2	Charlott	777888999	charlotte@example.co	101 Elm	Basic	2024	2025
3	e	9	m	Road		-11-	-05-
	Bennett					15	15
2	Luna	999000111	luna@example.com	707	Basic	2025	2025
5	Reed	1		Maple		-01-	-07-
				Street		25	25
2	Jack	333444555	jack@example.com	212 Elm	Basic	2025	2025
8	Murphy	5		Court		-04-	-10-
						10	10
3	Owen	555666777	owen@example.com	606 Oak	Standar	2025	2025
0	Gray	7		Lane	d	-06-	-12-
						20	20

memberid	membername	contact_no	email	address	membership_type	joining_date	expiry_date
1	John Doe	1234567890	john@example.com	123 Main St	Premium	2023-01-15	2023-07-15
4	Sarah Wilson	3332221111	sarah@example.com	101 Pine Lane	Premium	2023-04-05	2023-10-05
7	Robert White	9991113333	robert@example.com	15 Oakwood Drive	Premium	2023-07-10	2024-01-10
9	William Baker	2223334444	william@example.com	1010 Elm Court	Premium	2023-09-15	2024-03-15
11	Isabella Moore	7772223333	isabella@example.com	909 Park Avenue	Premium	2023-11-05	2024-05-05
15	Harper Scott	2223334444	harper@example.com	303 Pine Road	Premium	2024-03-25	2024-09-25
18	Elijah Carter	5556667777	elijah@example.com	909 Elm Lane	Premium	2024-06-20	2024-12-20
20	Mia Watson	7778889999	mia@example.com	505 Pine Lane	Premium	2024-08-30	2025-02-28
23	Charlotte Bennett	7778889999	charlotte@example.com	101 Elm Road	Basic	2024-11-15	2025-05-15
25	Luna Reed	9990001111	luna@example.com	707 Maple Street	Basic	2025-01-25	2025-07-25
28	Jack Murphy	3334445555	jack@example.com	212 Elm Court	Basic	2025-04-10	2025-10-10
30	Owen Gray	5556667777	owen@example.com	606 Oak Lane	Standard	2025-06-20	2025-12-20
HULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

#Retrieve staff members whose salaries are above the average salary:

SELECT * FROM staff WHERE salary > (SELECT AVG(salary) FROM staff);

Luna Reed fack Murphy Dwen Gray	3334 5	44555	luna@example.		707 Map Stree	le	ъ.	15
Owen Gray	5 5556		jack@example.		Buck		Basic	202 -01- 25
Gray				com	Cour		Basic	202 -04- 10
		666777	owen@example	e.com	606 Lane		Standa d	
d memberna	me	contact_no	email	address		membe	rship_type	joining_date
John Doe		1234567890	john@example.com	123 Main S	t	Premium		2023-01-15
Sarah Wilso		3332221111	sarah@example.com	101 Pine La		Premium	ı	2023-04-05
Robert Whi		9991113333	robert@example.com	15 Oakwoo		Premium		2023-07-10
		2223334444	william@example.com					2023-09-15
								2023-11-05
								2024-03-25 2024-06-20
-								2024-06-20
		7778889999				Basic		2024-11-15
Luna Reed		9990001111	luna@example.com			Basic		2025-01-25
Jack Murph	ıy	3334445555	jack@example.com	212 Elm Co	ourt	Basic		2025-04-10
Owen Gray		5556667777	owen@example.com		ane		d	2025-06-20 NULL
Γ * FROM	staff V	ATTEDE		tne averag	ge salaı	y:		
		VHEKE S	alary > (SELECT A				ff);	
ohn Doe	1234	56789	john@example.	AVG(salar		OM stat	Premiu m	
	0			AVG(salar	y) FRC	oM state	Premiu	-01- 15 202 -04-
Doe Sarah	3332 1	56789	john@example.	AVG(salar	y) FRC 123 Main 101 Lane 15 Oaky	n St Pine	Premiu m	-01- 15 202 -04- 05 202 -07-
Ooe Sarah Wilson Robert	3332 1 9991 3	222111	john@example.	avG(salar .com e.com	y) FRC 123 Main 101 Lane	n St Pine woo ive	Premiu m Premiu m Premiu	-01- 15 202 -04- 05 202 -07- 10
Sarah Wilson Robert White	3332 1 9991 3	222111	john@example. sarah@example robert@example	avG(salar .com e.com	y) FRC 123 Main 101 Lane 15 Oaky d Dr	o St Pine woo ive	Premiu m Premiu m Premiu m	-01· 15 202 -04· 05 1 202 -07· 10
Sarah Wilson Robert White	9991 3 2223 4	222111	john@example. sarah@example robert@exampl	avG(salar .com e.com	y) FRC 123 Main 101 Lane 15 Oaky d Dr 1010 Elm	on St Pine woo ive Park	Premiu m Premiu m Premiu m Premiu m	-01- 15 202 -04- 05 202 -07- 10 202 -09- 15
	William Bak Isabella Mo Harper Sco Elijah Carte Mia Watsor Charlotte B Luna Reed Jack Murph Owen Gray	William Baker Isabella Moore Harper Scott Elijah Carter Mia Watson Charlotte Bennett Luna Reed Jack Murphy Owen Gray	William Baker 2223334444 Isabella Moore 7772223333 Harper Scott 2223334444 Elijah Carter 5556667777 Mia Watson 7778889999 Charlotte Bennett 7778889999 Luna Reed 9990001111 Jack Murphy 3334445555 Owen Gray 5556667777	William Baker 2223334444 william@example.com Isabella Moore 7772223333 isabella@example.com Harper Scott 2223334444 harper@example.com Elijah Carter 5556667777 elijah@example.com Mia Watson 7778889999 mia@example.com Charlotte Bennett 7778889999 charlotte@example.com Luna Reed 9990001111 luna@example.com Jack Murphy 3334445555 jack@example.com Owen Gray 5556667777 owen@example.com	William Baker 2223334444 william@example.com 1010 Elm C Isabella Moore 7772223333 isabella@example.com 909 Park A Harper Scott 2223334444 harper@example.com 303 Pine R Elijah Carter 5556667777 elijah@example.com 909 Elm La Mia Watson 7778889999 mia@example.com 505 Pine La Charlotte Bennett 7778889999 charlotte@example.com 101 Elm Ro Luna Reed 9990001111 luna@example.com 707 Maple Jack Murphy 33344455555 jack@example.com 212 Elm Co Owen Gray 5556667777 owen@example.com 606 Oak La RUITI RUITI RUITI RUITI	William Baker 2223334444 william@example.com 1010 Elm Court Isabella Moore 7772223333 isabella@example.com 909 Park Avenue Harper Scott 2223334444 harper@example.com 303 Pine Road Elijah Carter 5556667777 elijah@example.com 909 Elm Lane Mia Watson 7778889999 mia@example.com 505 Pine Lane Charlotte Bennett 7778889999 charlotte@example.com 101 Elm Road Luna Reed 9990001111 luna@example.com 707 Maple Street Jack Murphy 33344455555 jack@example.com 212 Elm Court Owen Gray 5556667777 owen@example.com 606 Oak Lane	William Baker 2223334444 william@example.com 1010 Elm Court Premium Isabella Moore 7772223333 isabella@example.com 909 Park Avenue Premium Harper Scott 2223334444 harper@example.com 303 Pine Road Premium Elijah Carter 5556667777 elijah@example.com 909 Elm Lane Premium Mia Watson 7778889999 mia@example.com 505 Pine Lane Premium Charlotte Bennett 7778889999 charlotte@example.com 101 Elm Road Basic Luna Reed 9990001111 luna@example.com 707 Maple Street Basic Jack Murphy 3334445555 jack@example.com 212 Elm Court Basic Owen Gray 5556667777 owen@example.com 606 Oak Lane Standard	William Baker 2223334444 william@example.com 1010 Elm Court Premium Isabella Moore 7772223333 isabella@example.com 909 Park Avenue Premium Harper Scott 2223334444 harper@example.com 303 Pine Road Premium Elijah Carter 5556667777 elijah@example.com 909 Elm Lane Premium Mia Watson 7778889999 mia@example.com 505 Pine Lane Premium Charlotte Bennett 7778889999 charlotte@example.com 101 Elm Road Basic Luna Reed 9990001111 luna@example.com 707 Maple Street Basic Jack Murphy 3334445555 jack@example.com 212 Elm Court Basic Owen Gray 5556667777 owen@example.com 606 Oak Lane Standard

1	Elijah	555666777	elijah@example.com	909 Elm	Premiu	2024	2024
8	Carter	7		Lane	m	-06-	-12-
						20	20
2	Mia	777888999	mia@example.com	505 Pine	Premiu	2024	2025
0	Watson	9		Lane	m	-08-	-02-
						30	28
2	Charlott	777888999	charlotte@example.co	101 Elm	Basic	2024	2025
3	e	9	m	Road		-11-	-05-
	Bennett					15	15
2	Luna	999000111	luna@example.com	707	Basic	2025	2025
5	Reed	1		Maple		-01-	-07-
				Street		25	25
2	Jack	333444555	jack@example.com	212 Elm	Basic	2025	2025
8	Murphy	5		Court		-04-	-10-
						10	10
3	Owen	555666777	owen@example.com	606 Oak	Standar	2025	2025
0	Gray	7		Lane	d	-06-	-12-
						20	20

memberid	membername	contact_no	email	address	membership_type	joining_date	expiry_date
30	Owen Gray	5556667777	owen@example.com	606 Oak Lane	Standard	2025-06-20	2025-12-20
28	Jack Murphy	3334445555	jack@example.com	212 Elm Court	Basic	2025-04-10	2025-10-10
25	Luna Reed	9990001111	luna@example.com	707 Maple Street	Basic	2025-01-25	2025-07-25
23	Charlotte Bennett	7778889999	charlotte@example.com	101 Elm Road	Basic	2024-11-15	2025-05-15
20	Mia Watson	7778889999	mia@example.com	505 Pine Lane	Premium	2024-08-30	2025-02-28
18	Elijah Carter	5556667777	elijah@example.com	909 Elm Lane	Premium	2024-06-20	2024-12-20
15	Harper Scott	2223334444	harper@example.com	303 Pine Road	Premium	2024-03-25	2024-09-25
11	Isabella Moore	7772223333	isabella@example.com	909 Park Avenue	Premium	2023-11-05	2024-05-05
9	William Baker	2223334444	william@example.com	1010 Elm Court	Premium	2023-09-15	2024-03-15
7	Robert White	9991113333	robert@example.com	15 Oakwood Drive	Premium	2023-07-10	2024-01-10
4	Sarah Wilson	3332221111	sarah@example.com	101 Pine Lane	Premium	2023-04-05	2023-10-05
1	John Doe	1234567890	john@example.com	123 Main St	Premium	2023-01-15	2023-07-15
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

#List members who have not attended any sessions yet:

${\tt SELECT*FROM\;members\;WHERE\;memberid\;NOT\;IN\;(SELECT\;DISTINCT\;memberid\;FROM\;attendance);}$

102	David	4445556666	david@example.com	Manager	50000	2019-
	Clark					12-15
108	Noah King	7778889999	noah@example.com	Trainer	40000	2023-
						04-25
109	Mia	2223334444	mia@example.com	Manager	55000	2023-
	Turner					05-05
113	Jackson	6667778888	jackson@example.com	Manager	56000	2023-
	Price					09-30
115	Aiden	8889990000	aiden@example.com	Trainer	40000	2023-
	Stewart					11-10

116	Sebastian	9990001111	sebastian@example.com	Trainer	42000	2024-
	Gray					01-15
118	Zoe Perez	2223334444	zoe@example.com	Manager	58000	2024-
						03-25
120	Sofia Ross	4445556666	sofia@example.com	Trainer	41000	2024-
						05-05
121	Hannah	6667778888	hannah@example.com	Trainer	43000	2024-
	Cooper					06-20
123	Grace	8889990000	grace@example.com	Manager	59000	2024-
	Jenkins					08-30
125	Penelope	1112223333	penelope@example.com	Trainer	42000	2024-
	Parker					10-10
127	Aubrey	3334445555	aubrey@example.com	Manager	60000	2024-
	Diaz					12-20
129	Xavier	5556667777	xavier@example.com	Trainer	44000	2025-
	Howard					02-28

staff_id	name	contact	email_id	post	salary	joining_date
102	David Clark	4445556666	david@example.com	Manager	50000	2019-12-15
108	Noah King	7778889999	noah@example.com	Trainer	40000	2023-04-25
109	Mia Turner	2223334444	mia@example.com	Manager	55000	2023-05-05
113	Jackson Price	6667778888	jackson@example.com	Manager	56000	2023-09-30
115	Aiden Stewart	8889990000	aiden@example.com	Trainer	40000	2023-11-10
116	Sebastian Gray	9990001111	sebastian@example.com	Trainer	42000	2024-01-15
118	Zoe Perez	2223334444	zoe@example.com	Manager	58000	2024-03-25
120	Sofia Ross	4445556666	sofia@example.com	Trainer	41000	2024-05-05
121	Hannah Cooper	6667778888	hannah@example.com	Trainer	43000	2024-06-20
123	Grace Jenkins	8889990000	grace@example.com	Manager	59000	2024-08-30
125	Penelope Parker	1112223333	penelope@example.com	Trainer	42000	2024-10-10
127	Aubrey Diaz	3334445555	aubrey@example.com	Manager	60000	2024-12-20
129	Xavier Howard	5556667777	xavier@example.com	Trainer	44000 NULL	2025-02-28

#Get the total count of payments made in the year 2024:

SELECT COUNT(*) AS total_payments_2024 FROM payments WHERE YEAR(payment_date) = 2024;

0	
I X	
O	

total_payments_2024

8

#List staff members who joined after the average joining date of staff:

SELECT * FROM staff WHERE joining_date > (SELECT AVG(joining_date) FROM staff);

11 6	Sebastian Gray	999000111	sebastian@example.com	Trainer	4200	2024 -01- 15
11 7	Riley Evans	111222333	riley@example.com	Receptionis t	3200 0	2024 -02- 20
11 8	Zoe Perez	222333444 4	zoe@example.com	Manager	5800 0	2024 -03- 25
11 9	Nathan Cooper	333444555 5	nathan@example.com	Janitor	2800 0	2024 -04- 30
12 0	Sofia Ross	444555666 6	sofia@example.com	Trainer	4100	2024 -05- 05
12 1	Hannah Cooper	666777888	hannah@example.com	Trainer	4300	2024 -06- 20
12 2	Samuel Coleman	777888999 9	samuel@example.com	Receptionis t	3300	2024 -07- 25
12 3	Grace Jenkins	888999000 0	grace@example.com	Manager	5900 0	2024 -08- 30
12 4	Christophe r Barnes	999000111 1	christopher@example.co m	Janitor	2900 0	2024 -09- 05
12 5	Penelope Parker	111222333	penelope@example.com	Trainer	4200 0	2024 -10- 10
12 6	Mateo Wright	222333444 4	mateo@example.com	Receptionis t	3400	2024 -11- 15
12 7	Aubrey Diaz	333444555 5	aubrey@example.com	Manager	6000	2024 -12- 20
12 8	Victoria Long	444555666 6	victoria@example.com	Janitor	3000	2025 -01- 25
12 9	Xavier Howard	555666777 7	xavier@example.com	Trainer	4400	2025 -02- 28
13 0	Zoe Morris	666777888 8	zoe@example.com	Receptionis t	3500 0	2025
0	Zoo monio		250 Commission	_		

staff_id	name	contact	email_id	post	salary	joining_date
116	Sebastian Gray	9990001111	sebastian@example.com	Trainer	42000	2024-01-15
117	Riley Evans	1112223333	riley@example.com	Receptionist	32000	2024-02-20
118	Zoe Perez	2223334444	zoe@example.com	Manager	58000	2024-03-25
119	Nathan Cooper	3334445555	nathan@example.com	Janitor	28000	2024-04-30
120	Sofia Ross	4445556666	sofia@example.com	Trainer	41000	2024-05-05
121	Hannah Cooper	6667778888	hannah@example.com	Trainer	43000	2024-06-20
122	Samuel Coleman	7778889999	samuel@example.com	Receptionist	33000	2024-07-25
123	Grace Jenkins	8889990000	grace@example.com	Manager	59000	2024-08-30
124	Christopher Barnes	9990001111	christopher@example.com	Janitor	29000	2024-09-05
125	Penelope Parker	1112223333	penelope@example.com	Trainer	42000	2024-10-10
126	Mateo Wright	2223334444	mateo@example.com	Receptionist	34000	2024-11-15
127	Aubrey Diaz	3334445555	aubrey@example.com	Manager	60000	2024-12-20
128	Victoria Long	4445556666	victoria@example.com	Janitor	30000	2025-01-25
129	Xavier Howard	5556667777	xavier@example.com	Trainer	44000	2025-02-28
130	Zoe Morris	6667778888	zoe@example.com	Receptionist	35000 NULL	2025-03-05

#Find members who have the same contact number as any staff member:

SELECT * FROM members WHERE contact_no IN (SELECT contact FROM staff);

		I	1			1	
2	A 1	555666777	-1	700 El	Desis	2022	2022
3	Alex	555666777	alex@example.com	789 Elm	Basic	2023	2023
	Johnson	7		Blvd		-03-	-09-
						10	10
9	William	222333444	william@example.co	1010	Premiu	2023	2024
	Baker	4	m	Elm	m	-09-	-03-
				Court		15	15
1	Logan	111222333	logan@example.com	404 Oak	Basic	2024	2024
4	James	3		Lane		-02-	-08-
						20	20
1	Harper	222333444	harper@example.com	303 Pine	Premiu	2024	2024
5	Scott	4		Road	m	-03-	-09-
						25	25
1	Liam	333444555	liam@example.com	212	Standar	2024	2024
6	Harris	5	_	Maple	d	-04-	-10-
				Avenue		10	10
1	Amelia	444555666	amelia@example.com	111 Oak	Basic	2024	2024
7	Nelson	6	_	Street		-05-	-11-
						15	15
1	Elijah	555666777	elijah@example.com	909 Elm	Premiu	2024	2024
8	Carter	7		Lane	m	-06-	-12-
						20	20
1	Avery	666777888	avery@example.com	707	Basic	2024	2025
9	Rivera	8		Cedar		-07-	-01-
				Road		25	25

2	Mia Watson	777888999	mia@example.com	505 Pine Lane	Premiu m	2024 -08- 30	2025 -02- 28
2	Evelyn Cooper	555666777 7	evelyn@example.com	303 Oakwoo d Avenue	Premiu m	2024 -09- 05	2025 -03- 05
2 2	Henry Morgan	666777888 8	henry@example.com	202 Pine Street	Standar d	2024 -10- 10	2025 -04- 10
2 3	Charlotte Bennett	777888999 9	charlotte@example.co m	101 Elm Road	Basic	2024 -11- 15	2025 -05- 15
2 4	Gabriel Hayes	888999000 0	gabriel@example.com	505 Cedar Lane	Premiu m	2024 -12- 20	2025 -06- 20
2 5	Luna Reed	999000111	luna@example.com	707 Maple Street	Basic	2025 -01- 25	2025 -07- 25
2 6	Leo Phillips	111222333	leo@example.com	909 Oak Avenue	Premiu m	2025 -02- 28	2025 -08- 28
2 7	Stella Richardso n	222333444 4	stella@example.com	111 Pine Drive	Standar d	2025 -03- 05	2025 -09- 05
2 8	Jack Murphy	333444555 5	jack@example.com	212 Elm Court	Basic	2025 -04- 10	2025 -10- 10
2 9	Lucy Foster	444555666 6	lucy@example.com	404 Cedar Road	Premiu m	2025 -05- 15	2025 -11- 15
3	Owen Gray	555666777 7	owen@example.com	606 Oak Lane	Standar d	2025 -06- 20	2025 -12- 20

memberid	membername	contact_no	email	address	membership_type	joining_date	expiry_date
3	Alex Johnson	5556667777	alex@example.com	789 Elm Blvd	Basic	2023-03-10	2023-09-10
9	William Baker	2223334444	william@example.com	1010 Elm Court	Premium	2023-09-15	2024-03-15
14	Logan James	1112223333	logan@example.com	404 Oak Lane	Basic	2024-02-20	2024-08-20
15	Harper Scott	2223334444	harper@example.com	303 Pine Road	Premium	2024-03-25	2024-09-25
16	Liam Harris	3334445555	liam@example.com	212 Maple Avenue	Standard	2024-04-10	2024-10-10
17	Amelia Nelson	4445556666	amelia@example.com	111 Oak Street	Basic	2024-05-15	2024-11-15
18	Elijah Carter	5556667777	elijah@example.com	909 Elm Lane	Premium	2024-06-20	2024-12-20
19	Avery Rivera	6667778888	avery@example.com	707 Cedar Road	Basic	2024-07-25	2025-01-25
20	Mia Watson	7778889999	mia@example.com	505 Pine Lane	Premium	2024-08-30	2025-02-28
21	Evelyn Cooper	5556667777	evelyn@example.com	303 Oakwood Avenue	Premium	2024-09-05	2025-03-05
22	Henry Morgan	6667778888	henry@example.com	202 Pine Street	Standard	2024-10-10	2025-04-10
23	Charlotte Ben	7778889999	charlotte@example.c	101 Elm Road	Basic	2024-11-15	2025-05-15
24	Gabriel Hayes	8889990000	gabriel@example.com	505 Cedar Lane	Premium	2024-12-20	2025-06-20
25	Luna Reed	9990001111	luna@example.com	707 Maple Street	Basic	2025-01-25	2025-07-25
26	Leo Phillips	1112223333	leo@example.com	909 Oak Avenue	Premium	2025-02-28	2025-08-28
27	Stella Richard	2223334444	stella@example.com	111 Pine Drive	Standard	2025-03-05	2025-09-05
28	Jack Murphy	3334445555	jack@example.com	212 Elm Court	Basic	2025-04-10	2025-10-10
29	Lucy Foster	4445556666	lucy@example.com	404 Cedar Road	Premium	2025-05-15	2025-11-15
30 NULL	Owen Gray	5556667777 NULL	owen@example.com	606 Oak Lane	Standard NULL	2025-06-20 NULL	2025-12-20 NULL

#Get the payment details for the member with the highest member ID:

SELECT * FROM payments WHERE memberid = (SELECT MAX(memberid) FROM members);

530	30	7500	Credit Card	2025-02-08	6-month
					Premium

paymentid	memberid	amount	payment_type	payment_date	package 🔺
530 NULL	30 NULL	7500 NULL	Credit Card	2025-02-08 NULL	6-month Premium

#Retrieve member details with their corresponding attendance:

SELECT members.memberid, members.membername, attendance.date_, attendance.checkintime, attendance.checkouttime FROM members INNER JOIN attendance ON members.memberid = attendance.memberid;

1	John Doe	2023-12-01	08:00:00	16:30:00
2	Jane Smith	2023-12-01	09:15:00	18:00:00
3	Alex Johnson	2023-12-01	07:45:00	17:45:00
4	Sarah Wilson	2023-12-01	10:00:00	19:00:00
5	Mike Brown	2023-12-01	08:30:00	17:30:00
6	Eva Turner	2023-12-02	09:00:00	17:00:00
7	Robert White	2023-12-02	08:30:00	16:30:00
8	Olivia Lee	2023-12-02	10:15:00	18:15:00
9	William Baker	2023-12-02	07:45:00	16:45:00

11 12	10 Sc		2	2023-12	2-02	09:30:00	17:30:0
12		abella Mooi		2023-12	_	08:15:00	16:15:0
		han Hall		2023-12		09:30:00	17:30:0
13	Aı	ria Ward	2	2023-12	2-03	07:45:00	15:45:0
14	Lo	gan James	2	2023-12	2-03	10:00:00	18:00:0
15	На	arper Scott	2	2023-12	2-03	08:45:00	16:45:0
16		am Harris		2024-01		09:00:00	17:00:0
17		melia Nelso		2024-01-03		08:30:00	16:30:0
18		ijah Carter		2024-01		10:15:00	18:15:0
19		very Rivera		2024-01		07:45:00	15:45:0
20		ia Watson		2024-01		09:30:00	17:30:0
		velyn Cooper		2025-01-03 2025-01-03		09:00:00 08:30:00	17:00:0 16:30:0
22		enry Morga narlotte		2025-01 2025-01		10:15:00	18:15:0
23	_	ennett	2	ـــــــــــــــــــــــــــــــــــــ	03	10.13:00	18:15:0
24	Ga	abriel Hayes		2025-01-03		07:45:00	15:45:0
25	Lı	ına Reed	2	2025-01	03	09:30:00	17:30:0
26		o Phillips		2025-01-03		08:00:00	16:00:0
27		ella chardson	2	2025-01	03	10:30:00	18:30:0
28		ck Murphy		2025-01-03		07:30:00	15:30:0
	29 Lu			2025-01		09:15:00	17:15:0
30				2025-01		08:45:00	16:45:0
memberid 1 2 3	membername John Doe Jane Smith Alex Johnson	date_ 2023-12-01 2023-12-01 2023-12-01	checkin 08:00:0 09:15:0 07:45:0	00 16	heckouttime 5:30:00 8:00:00 7:45:00	-	·
1 2 3 4 5 6 7	John Doe Jane Smith Alex Johnson Sarah Wilson Mike Brown Eva Turner Robert White	2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-02 2023-12-02	08:00:0 09:15:0 07:45:0 10:00:0 08:30:0 09:00:0	00 16 00 18 00 17 00 19 00 17 00 17	6:30:00 8:00:00 7:45:00 9:00:00 7:30:00 7:00:00		
1 2 3 4 5 6 7 8	John Doe Jane Smith Alex Johnson Sarah Wilson Mike Brown Eva Turner Robert White Olivia Lee	2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-02 2023-12-02 2023-12-02	08:00:0 09:15:0 07:45:0 10:00:0 08:30:0 09:00:0 08:30:0 10:15:0	00 16 00 18 00 17 00 19 00 17 00 17 00 16 00 18	6:30:00 8:00:00 7:45:00 9:00:00 7:30:00 7:00:00 6:30:00 8:15:00		
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1 2 3 4 5 6 7 8	John Doe Jane Smith Alex Johnson Sarah Wilson Mike Brown Eva Turner Robert White Olivia Lee	2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-02 2023-12-02 2023-12-02	08:00:0 09:15:0 07:45:0 10:00:0 08:30:0 09:00:0 08:30:0 10:15:0	00 16 00 18 00 17 00 19 00 17 00 17 00 16 00 18	6:30:00 8:00:00 7:45:00 9:00:00 7:30:00 7:00:00 6:30:00 8:15:00		
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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	John Doe Jane Smith Alex Johnson Sarah Wilson Mike Brown Eva Turner Robert White Olivia Lee William Baker Sophie King Isabella Moore Ethan Hall Aria Ward Logan James Harper Scott Liam Harris Amelia Nelson Elijah Carter Avery Rivera Mia Watson	2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-02 2023-12-02 2023-12-02 2023-12-02 2023-12-03 2023-12-03 2023-12-03 2023-12-03 2023-12-03 2023-12-03 2023-12-03 2024-01-03 2024-01-03 2024-01-03 2024-01-03	08:00:0 09:15:0 07:45:0 10:00:0 08:30:0 09:00:0 08:30:0 07:45:0 09:30:0 07:45:0 09:30:0 08:45:0 09:00:0 08:30:0 07:45:0 09:00:0 08:30:0	00 16 00 18 00 17 00 19 00 17 00 16 00 16 00 17 00 16 00 17 00 16 00 17 00 16 00 17 00 16 00 17 00 16 00 17	3:30:00 3:00:00 7:45:00 7:30:00 7:30:00 7:30:00 3:15:00 6:45:00 7:30:00 6:45:00 7:30:00 6:45:00 7:30:00 6:45:00 7:30:00 6:45:00 7:30:00 7:30:00 7:30:00		
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	John Doe Jane Smith Alex Johnson Sarah Wilson Mike Brown Eva Turner Robert White Olivia Lee William Baker Sophie King Isabella Moore Ethan Hall Aria Ward Logan James Harper Scott Liam Harris Amelia Nelson Elijah Carter Avery Rivera Mia Watson Evelyn Cooper	2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-01 2023-12-02 2023-12-02 2023-12-02 2023-12-02 2023-12-03 2023-12-03 2023-12-03 2023-12-03 2023-12-03 2023-12-03 2024-01-03 2024-01-03 2024-01-03 2024-01-03 2024-01-03 2024-01-03 2024-01-03	08:00:0 09:15:0 07:45:0 10:00:0 08:30:0 09:00:0 08:30:0 07:45:0 09:30:0 09:30:0 09:30:0 09:00:0 08:45:0 09:00:0 08:30:0 09:00:0 09:00:0 09:00:0	00 16 00 18 00 17 00 19 00 17 00 16 00 16 00 16 00 17 00 17	3:30:00 3:00:00 7:45:00 9:00:00 7:30:00 7:30:00 8:15:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00 7:30:00		
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memberid	membername	date_	checkintime	checkouttime
1	John Doe	2023-12-01	08:00:00	16:30:00
2	Jane Smith	2023-12-01	09:15:00	18:00:00
3	Alex Johnson	2023-12-01	07:45:00	17:45:00
4	Sarah Wilson	2023-12-01	10:00:00	19:00:00
5	Mike Brown	2023-12-01	08:30:00	17:30:00
6	Eva Turner	2023-12-02	09:00:00	17:00:00
7	Robert White	2023-12-02	08:30:00	16:30:00
8	Olivia Lee	2023-12-02	10:15:00	18:15:00
9	William Baker	2023-12-02	07:45:00	16:45:00
10	Sophie King	2023-12-02	09:30:00	17:30:00
11	Isabella Moore	2023-12-03	08:15:00	16:15:00
12	Ethan Hall	2023-12-03	09:30:00	17:30:00
13	Aria Ward	2023-12-03	07:45:00	15:45:00
14	Logan James	2023-12-03	10:00:00	18:00:00
15	Harper Scott	2023-12-03	08:45:00	16:45:00
16	Liam Harris	2024-01-03	09:00:00	17:00:00
17	Amelia Nelson	2024-01-03	08:30:00	16:30:00
18	Elijah Carter	2024-01-03	10:15:00	18:15:00
19	Avery Rivera	2024-01-03	07:45:00	15:45:00
20	Mia Watson	2024-01-03	09:30:00	17:30:00
21	Evelyn Cooper	2025-01-03	09:00:00	17:00:00
22	Henry Morgan	2025-01-03	08:30:00	16:30:00
23	Charlotte Be	2025-01-03	10:15:00	18:15:00
24	Gabriel Hayes	2025-01-03	07:45:00	15:45:00
25	Luna Reed	2025-01-03	09:30:00	17:30:00

26	Leo Phillips	2025-01-03	08:00:00	16:00:00
27	Stella Richar	2025-01-03	10:30:00	18:30:00
28	Jack Murphy	2025-01-03	07:30:00	15:30:00
29	Lucy Foster	2025-01-03	09:15:00	17: 15:00
30	Owen Gray	2025-01-03	08:45:00	16:45:00

#Fetch staff details with their respective roles:

SELECT staff.name, staff.post FROM staff;

Emily Davis	Trainer
David Clark	Manager
Sophia Garcia	Receptionist
Michael Martinez	Janitor
Emma Rodriguez	Trainer
Liam Wright	Trainer
Ava Scott	Receptionist
Noah King	Trainer
Mia Turner	Manager
James Adams	Janitor
Mason Baker	Trainer
Evelyn Reed	Receptionist
Jackson Price	Manager
Scarlett Cooper	Janitor
Aiden Stewart	Trainer
Sebastian Gray	Trainer
Riley Evans	Receptionist
Zoe Perez	Manager
Nathan Cooper	Janitor
Sofia Ross	Trainer
Hannah Cooper	Trainer
Samuel Coleman	Receptionist
Grace Jenkins	Manager
Christopher	Janitor
Barnes	
Penelope Parker	Trainer
Mateo Wright	Receptionist
Aubrey Diaz	Manager
Victoria Long	Janitor
Xavier Howard	Trainer
Zoe Morris	Receptionist

name	post 🔺
Victoria Long	Janitor
David Clark	Manager
Mia Turner	Manager
Jackson Price	Manager
Zoe Perez	Manager
Grace Jenkins	Manager
Aubrey Diaz	Manager
Sophia Garcia	Receptionist
Ava Scott	Receptionist
Evelyn Reed	Receptionist
Riley Evans	Receptionist
Samuel Coleman	Receptionist
Mateo Wright	Receptionist
Zoe Morris	Receptionist
Emily Davis	Trainer
Emma Rodriguez	Trainer
Liam Wright	Trainer
Noah King	Trainer
Mason Baker	Trainer
Aiden Stewart	Trainer
Sebastian Gray	Trainer
Sofia Ross	Trainer
Hannah Cooper	Trainer
Penelope Parker	Trainer
Xavier Howard	Trainer

Get member names ar			
		s.amount, payments.paymen INNER JOIN payments ON 1	
ayments.memberid;	te i Row members	ii (i (iii) Dii (payinento Di (i	riemoers.member
	5000	G 11: G 1	2022 12 0
John Doe	5000	Credit Card	2023-12-0
Jane Smith	3000	Cash	2023-12-0
Alex Johnson	2000	Debit Card	2023-12-0
Sarah Wilson	5500	Credit Card	2023-12-1
Mike Brown	4000	Cash	2023-12-1
Eva Turner	2500	Debit Card	2023-12-1
Robert White	6000	Credit Card	2023-12-1
Olivia Lee	3500	Cash	2023-12-2
William Baker	6200	Credit Card	2023-12-2
Sophie King	3000	Cash	2023-12-2
Isabella Moore	6500	Credit Card	2023-12-2
Ethan Hall	2800	Cash	2023-12-3
Aria Ward	4000	Debit Card	2024-01-0
Logan James	2900	Cash	2024-01-0
Harper Scott	7000	Credit Card	2024-01-0
Liam Harris	3500	Debit Card	2024-01-1
Amelia Nelson	2700	Cash	2024-01-1
Elijah Carter	6500	Credit Card	2024-01-1
Avery Rivera	2900	Cash	2024-01-2
Mia Watson	7200	Credit Card	2024-01-2
Evelyn Cooper	3700	Debit Card	2025-01-1
Henry Morgan	2900	Cash	2025-01-1
Charlotte Bennett	6700	Credit Card	2025-01-1
Gabriel Hayes	3100	Cash	2025-01-2
Luna Reed	7400	Credit Card	2025-01-2
Leo Phillips	3600	Debit Card	2025-01-2
Stella Richardson	2800	Cash	2025-01-3
Jack Murphy	6800	Credit Card	2025-02-0
Lucy Foster	3200 7500	Cash Credit Card	2025-02-0
Owen Gray		1 (1 1) (2 1	2025-02-0

John Doe Jane Smith Alex Johnson Sarah Wilson Mike Brown Eva Turner Robert White	5000 3000	payment_type	payment_date		
Alex Johnson Sarah Wilson Mike Brown Eva Turner	3000	Credit Card	2023-12-03		
Sarah Wilson Mike Brown Eva Turner	5555	Cash	2023-12-05		
Mike Brown Eva Turner	2000	Debit Card	2023-12-08		
Eva Turner	5500	Credit Card	2023-12-10		
	4000	Cash	2023-12-12		
Robert White	2500	Debit Card	2023-12-15		
	6000	Credit Card	2023-12-18		
Olivia Lee William Baker	3500	Cash Cradit Card	2023-12-20		
William Baker Sophie King	6200 3000	Credit Card Cash	2023-12-22 2023-12-25		
Isabella Moore	6500	Credit Card	2023-12-28		
Ethan Hall	2800	Cash	2023-12-20		
Aria Ward	4000	Debit Card	2024-01-02		
Logan James	2900	Cash	2024-01-05		
Harper Scott	7000	Credit Card	2024-01-08		
Liam Harris	3500	Debit Card	2024-01-12		
Amelia Nelson	2700	Cash	2024-01-15		
Elijah Carter	6500	Credit Card	2024-01-18		
Avery Rivera	2900	Cash	2024-01-21		
Mia Watson	7200	Credit Card	2024-01-24		
Evelyn Cooper	3700	Debit Card	2025-01-12		
Henry Morgan Charlotte Be	2900 6700	Cash Credit Card	2025-01-15		
Charlotte Be Gabriel Hayes	3100	Cash Card	2025-01-18 2025-01-21		
Luna Reed	7400	Credit Card	2025-01-24		
Leo Phillips	3600	Debit Card	2025-01-27		
Stella Richar	2800	Cash	2025-01-30		
Jack Murphy	6800	Credit Card	2025-02-02		
Lucy Foster	3200	Cash	2025-02-05		
Owen Gray	7500	Credit Card	2025-02-08		
		,		piry date of memberships: date, members.expiry_date FR	OM m
		1	023-01-15	2023-07-15	
John Doo			023-01-13	2023-08-20	
John Doe			UZJ-UZ-ZU		
Jane Smith		2	023 02 10	1 // 1 / 2 / 111 / 1	
Jane Smith Alex Johns	on		023-03-10	2023-09-10	
Jane Smith Alex Johns Sarah Wils	on on	2	023-04-05	2023-10-05	
Jane Smith Alex Johns Sarah Wils Mike Brow	on on ⁄n	2 2	023-04-05 023-05-12	2023-10-05 2023-11-12	
Jane Smith Alex Johns Sarah Wils Mike Brow Eva Turner	on on vn	2 2 2	023-04-05 023-05-12 023-06-20	2023-10-05 2023-11-12 2023-12-20	
Jane Smith Alex Johns Sarah Wils Mike Brow Eva Turner Robert Wh	on on vn	2 2 2 2	023-04-05 023-05-12 023-06-20 023-07-10	2023-10-05 2023-11-12 2023-12-20 2024-01-10	
Jane Smith Alex Johns Sarah Wils Mike Brow Eva Turner Robert Wh Olivia Lee	on on vn	2 2 2 2 2 2	023-04-05 023-05-12 023-06-20 023-07-10 023-08-05	2023-10-05 2023-11-12 2023-12-20 2024-01-10 2024-02-05	
Jane Smith Alex Johns Sarah Wils Mike Brow Eva Turner Robert Wh Olivia Lee William Ba	on on /n · ite	2 2 2 2 2 2 2 2	023-04-05 023-05-12 023-06-20 023-07-10 023-08-05 023-09-15	2023-10-05 2023-11-12 2023-12-20 2024-01-10 2024-02-05 2024-03-15	
Jane Smith Alex Johns Sarah Wils Mike Brow Eva Turner Robert Wh Olivia Lee William Ba Sophie Kin	on on on on ite	2 2 2 2 2 2 2 2 2	023-04-05 023-05-12 023-06-20 023-07-10 023-08-05 023-09-15 023-10-18	2023-10-05 2023-11-12 2023-12-20 2024-01-10 2024-02-05 2024-03-15 2024-04-18	
Jane Smith Alex Johns Sarah Wils Mike Brow Eva Turner Robert Wh Olivia Lee William Ba	on on on on ite	2 2 2 2 2 2 2 2 2	023-04-05 023-05-12 023-06-20 023-07-10 023-08-05 023-09-15	2023-10-05 2023-11-12 2023-12-20 2024-01-10 2024-02-05 2024-03-15	

John Doe	2023-01-15	2023-07-15
Jane Smith	2023-02-20	2023-08-20
Alex Johnson	2023-03-10	2023-09-10
Sarah Wilson	2023-04-05	2023-10-05
Mike Brown	2023-05-12	2023-11-12
Eva Turner	2023-06-20	2023-12-20
Robert White	2023-07-10	2024-01-10
Olivia Lee	2023-08-05	2024-02-05
William Baker	2023-09-15	2024-03-15
Sophie King	2023-10-18	2024-04-18
Isabella Moore	2023-11-05	2024-05-05
Ethan Hall	2023-12-10	2024-06-10

Aria Ward 2024-01-15 2024-07-15 Logan James 2024-02-20 2024-08-20 Harper Scott 2024-03-25 2024-09-25 Liam Harris 2024-04-10 2024-10-10 Amelia Nelson 2024-05-15 2024-11-15 Elijah Carter 2024-06-20 2024-12-20 Avery Rivera 2024-07-25 2025-01-25 Mia Watson 2024-08-30 2025-02-28 Evelyn Cooper 2024-09-05 2025-03-05 Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-09-05 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Harper Scott2024-03-252024-09-25Liam Harris2024-04-102024-10-10Amelia Nelson2024-05-152024-11-15Elijah Carter2024-06-202024-12-20Avery Rivera2024-07-252025-01-25Mia Watson2024-08-302025-02-28Evelyn Cooper2024-09-052025-03-05Henry Morgan2024-10-102025-04-10Charlotte Bennett2024-11-152025-05-15Gabriel Hayes2024-12-202025-06-20Luna Reed2025-01-252025-07-25Leo Phillips2025-02-282025-08-28Stella Richardson2025-03-052025-09-05Jack Murphy2025-04-102025-10-10Lucy Foster2025-05-152025-11-15
Liam Harris 2024-04-10 2024-10-10 Amelia Nelson 2024-05-15 2024-11-15 Elijah Carter 2024-06-20 2024-12-20 Avery Rivera 2024-07-25 2025-01-25 Mia Watson 2024-08-30 2025-02-28 Evelyn Cooper 2024-09-05 2025-03-05 Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Amelia Nelson 2024-05-15 2024-11-15 Elijah Carter 2024-06-20 2024-12-20 Avery Rivera 2024-07-25 2025-01-25 Mia Watson 2024-08-30 2025-02-28 Evelyn Cooper 2024-09-05 2025-03-05 Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Elijah Carter 2024-06-20 2024-12-20 Avery Rivera 2024-07-25 2025-01-25 Mia Watson 2024-08-30 2025-02-28 Evelyn Cooper 2024-09-05 2025-03-05 Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Avery Rivera 2024-07-25 2025-01-25 Mia Watson 2024-08-30 2025-02-28 Evelyn Cooper 2024-09-05 2025-03-05 Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Mia Watson 2024-08-30 2025-02-28 Evelyn Cooper 2024-09-05 2025-03-05 Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Henry Morgan 2024-10-10 2025-04-10 Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Charlotte Bennett 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28 Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Stella Richardson 2025-03-05 2025-09-05 Jack Murphy 2025-04-10 2025-10-10 Lucy Foster 2025-05-15 2025-11-15
Lucy Foster 2025-05-15 2025-11-15
Lucy Foster 2025-05-15 2025-11-15
Owen Gray 2025-06-20 2025-12-20
Dlivia Lee 2023-08-05 2024-02-05 Villiam Baker 2023-09-15 2024-03-15 Sophie King 2023-10-18 2024-04-18
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am Harris 2024-04-10 2024-10-10
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via Watson 2024-08-30 2025-02-28 Evelyn Cooper 2024-09-05 2025-03-05
Henry Morgan 2024-10-10 2025-04-10
Henry Morgan 2024-10-10 2025-04-10 Charlotte Be 2024-11-15 2025-05-15
Henry Morgan 2024-10-10 2025-04-10 Charlotte Be 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25
Henry Morgan 2024-10-10 2025-04-10 Charlotte Be 2024-11-15 2025-05-15 Gabriel Hayes 2024-12-20 2025-06-20 Luna Reed 2025-01-25 2025-07-25 Leo Phillips 2025-02-28 2025-08-28
Henry Morgan 2024-10-10 2025-04-10 2025-05-15 2025-05-15 2025-05-20 2025-06-20 2025-01-25 2025-07-25 2025-08-28 2025-03-05 2025-03-05 2025-03-05 2025-03-05 2025-03-05 2025-03-05 2025-03-05 2025-03-05 2025-03-05 2025-03-05
lenry Morgan 2024-10-10 2025-04-10 2025-05-15 2025-05-15 2025-05-20 2025-01-25 2025-07-25 2025-02-28 2025-08-28
Abella Moore 2023-11-05 2024-05-05 Dan Hall 2023-12-10 2024-06-10 Da Ward 2024-01-15 2024-07-15 Dan James 2024-02-20 2024-08-20 The Food of the Moore 2024-04-10 2024-10-10 Dalelia Nelson 2024-05-15 2024-11-15 Dah Carter 2024-06-20 2024-12-20 Darey Rivera 2024-07-25 2025-01-25 Day Watson 2024-08-30 2025-02-28

membername	joining_date	expiry_date
Eva Turner	2023-06-20	2023-12-20
Robert White	2023-07-10	2024-01-10
Olivia Lee	2023-08-05	2024-02-05
William Baker	2023-09-15	2024-03-15
Sophie King	2023-10-18	2024-04-18
Isabella Moore	2023-11-05	2024-05-05
Ethan Hall	2023-12-10	2024-06-10
Aria Ward	2024-01-15	2024-07-15
Logan James	2024-02-20	2024-08-20
Harper Scott	2024-03-25	2024-09-25
Liam Harris	2024-04-10	2024-10-10
Amelia Nelson	2024-05-15	2024-11-15
Elijah Carter	2024-06-20	2024-12-20
Avery Rivera	2024-07-25	2025-01-25
Mia Watson	2024-08-30	2025-02-28
Evelyn Cooper	2024-09-05	2025-03-05
Henry Morgan	2024-10-10	2025-04-10
Charlotte Be	2024-11-15	2025-05-15
Gabriel Hayes	2024-12-20	2025-06-20
Luna Reed	2025-01-25	2025-07-25
Leo Phillips	2025-02-28	2025-08-28
Stella Richar	2025-03-05	2025-09-05
Jack Murphy	2025-04-10	2025-10-10
Lucy Foster	2025-05-15	2025-11-15
Owen Gray	2025-06-20	2025-12-20

Emily Davis	2020-07-01	
David Clark	2019-12-15	
Sophia Garcia	2021-02-28	
Michael Martinez	2022-05-10	
Emma Rodriguez	2023-01-20	
Liam Wright	2023-02-10	
Ava Scott	2023-03-20	
Noah King	2023-04-25	
Mia Turner	2023-05-05	
James Adams	2023-06-15	
Mason Baker	2023-07-20	
Evelyn Reed	2023-08-25	
Jackson Price	2023-09-30 2023-10-05	
Scarlett Cooper Aiden Stewart	2023-10-05	
Sebastian Gray	2023-11-10	
Riley Evans	2024-01-13	
Zoe Perez	2024-03-25	
Nathan Cooper	2024-04-30	
Sofia Ross	2024-05-05	
Hannah Cooper	2024-06-20	
Samuel Coleman	2024-07-25	
Grace Jenkins	2024-08-30	
Christopher Barnes	2024-09-05	
Penelope Parker	2024-10-10	
Mateo Wright	2024-11-15	
Aubrey Diaz	2024-12-20	
Victoria Long	2025-01-25	
Xavier Howard	2025-02-28	
Zoe Morris	2025-03-05	
	2024-10-10 2024-11-15 2024-12-20 2025-01-25 2025-02-28 2025-03-05	

name	joining date	
David Clark	2019-12-15	
Emily Davis	2020-07-01	
Sophia Garcia	2021-02-28	
Michael Martinez	2022-05-10	
Emma Rodriguez	2023-01-20	
Liam Wright	2023-02-10	
Ava Scott	2023-03-20	
Noah King	2023-04-25	
Mia Turner	2023-05-05	
James Adams	2023-06-15	
Mason Baker	2023-07-20	
Evelyn Reed	2023-08-25	
Jackson Price	2023-09-30	
Scarlett Cooper	2023-10-05	
Aiden Stewart	2023-11-10	
Sebastian Gray	2024-01-15	
Riley Evans	2024-02-20	
Zoe Perez	2024-03-25	
Nathan Cooper	2024-04-30	
Sofia Ross	2024-05-05	
Hannah Cooper	2024-06-20	
Samuel Coleman	2024-07-25	
Grace Jenkins	2024-08-30	
Christopher Bar	2024-09-05	
Penelope Parker	2024-10-10	
Penelope Parker	2024-10-10	
Mateo Wright	2024-11-15	
Aubrey Diaz	2024-12-20	
Victoria Long	2025-01-25	
Xavier Howard	2025-02-28	
Zoe Morris	2025-03-05	

CONCLUSION:-

In conclusion, the Gym Management System SQL project successfully addresses the key aspects of managing gym operations efficiently. The database design allows for member tracking, class scheduling, and equipment management. The structured queries ensure data retrieval and updates are performed seamlessly. Overall, the project enhances gym administration, contributing to a streamlined and organized fitness facility In addition to the aforementioned benefits, the Gym Management System SQL project promotes data integrity through normalization, minimizing redundancy and ensuring accurate information storage. The use of indexes and optimization techniques enhances query performance, facilitating quick access to relevant data. The system's scalability allows for future expansion and integration of new features, ensuring its relevance in evolving gym environments. Overall, this project showcases the

importance of a well-designed database in optimizing gym operations and providing a solid foundation for future enhancements.



