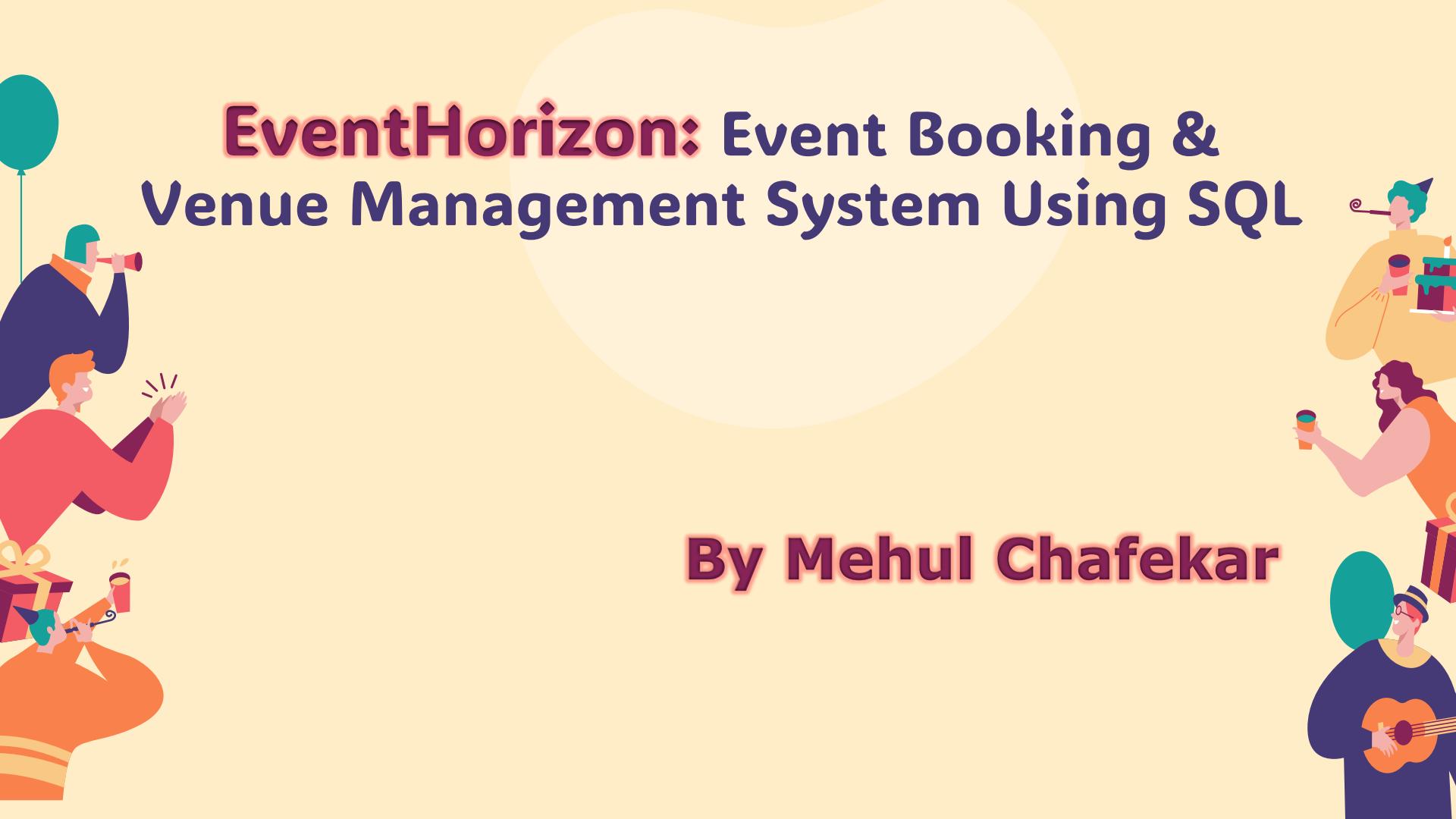


EventHorizon: Event Booking & Venue Management System Using SQL



By Mehul Chafekar



Introduction



EventHorizon is a comprehensive Event Booking & Venue Management System designed to streamline the organization of events by integrating venue scheduling, booking management, and resource allocation into a single platform.

This SQL-based system efficiently manages complex event logistics, allowing users to handle multiple events across various venues, track bookings, and analyze event performance.

The system includes features such as customer management, venue details, booking calendars, and financial reporting to ensure smooth event execution.



Project Overview

Event management often involves various aspects, such as booking venues, scheduling events, managing customer requests, and tracking the availability of resources. The EventHorizon system is built to address these challenges by providing an integrated database solution that organizes event details, venue capacities, and resource allocations efficiently.





Entities and Attribute



Entities

- **Event**
- **Attendee**
- **Venue**
- **Vendor**
- **Task**
- **Event Coordinator**
- **Schedule**
- **Budget**
- **Feedback**



Attribute

- **Each entity has specific attributes (columns), and each entity will be related to others through foreign key relationships.**





Functionality:

Event Management

- ❖ Create, update, and delete event details (name, date, venue).
- ❖ Assign budgets, schedules, and tasks to events.

Attendee Management

- ❖ Store and manage attendee information (name, email, contact details).
- ❖ Track attendee participation and feedback.



Functionality:

Venue Management

- ❖ Add, update, and delete venues with details like location and capacity.
- ❖ Check venue availability and assign them to events.

Vendor Management

- ❖ Manage vendor details (service type, contact information).
- ❖ Assign vendors to events based on required services.





Functionality:

Task Assignment & Tracking

- ❖ Create tasks related to events and assign them to attendees.
- ❖ Track task progress and set deadlines.



Budget Tracking

- ❖ Set and track budgets for each event.
- ❖ Monitor expenses and generate budget reports.

Event Scheduling

- ❖ Create event schedules with activities, start/end times.
- ❖ Manage overlapping events and avoid conflicts.





Functionality:

Feedback Collection

- ❖ Gather attendee feedback with ratings and comments.
- ❖ Analyze feedback to improve future events.

Event Coordinator

- ❖ Create and manage events, including assigning venues, setting schedules, and defining budgets.





Database Name: Event_Horizon

Table name corresponding to the schemas:

- Events**
- Attendee**
- Venue**
- Vendor**
- Event_Coordinator**
- Task**
- Schedule**
- Budget**
- Feedback**





If we want to see the tables in our schema:

Syntax: SHOW tables;

Result Grid		Filter Rows:
	Tables_in_event_horizon	
▶	attendee	
	budget	
	event_coordinator	
	events	
	feedback	
	schedule	
	task	
	vendor	
	venue	





ER-Diagram for EventHorizon: Event Booking & Venue Management System

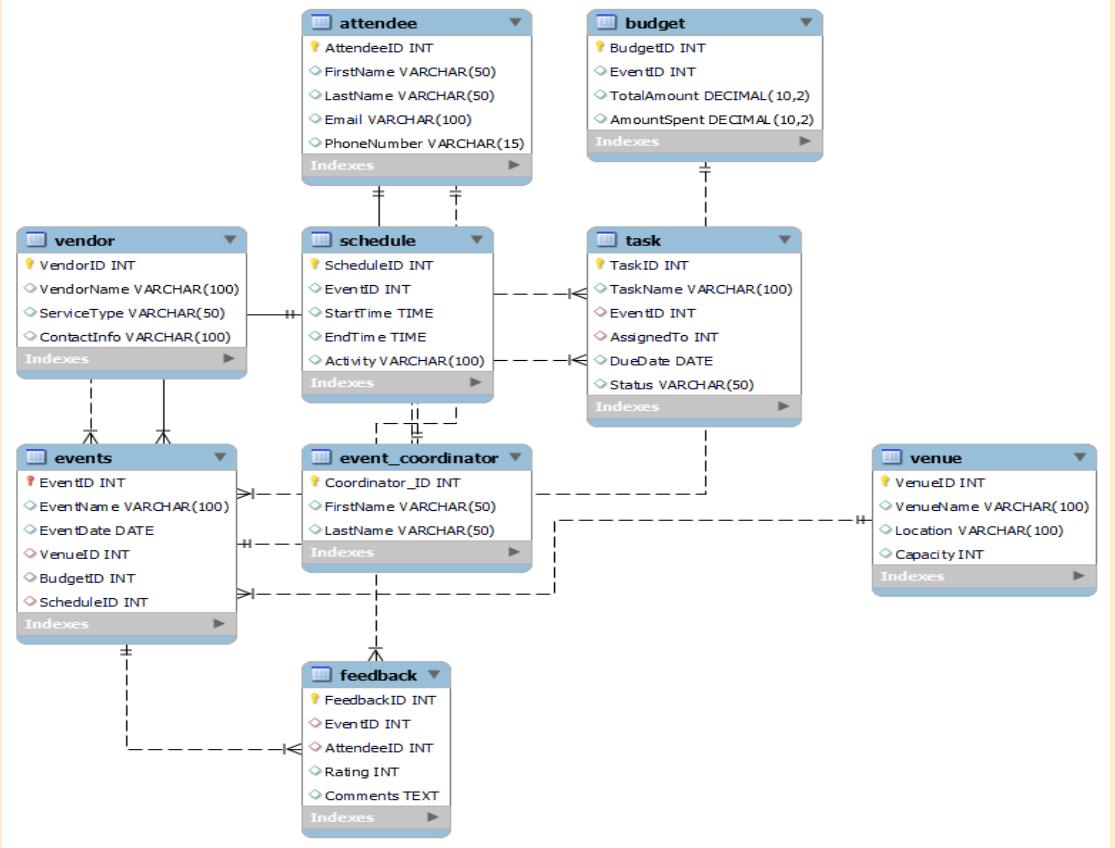




Table Description



1. Events

	Field	Type	Null	Key	Default	Extra
▶	EventID	int	NO	PRI	NULL	
	EventName	varchar(100)	YES		NULL	
	EventDate	date	YES		NULL	
	VenueID	int	YES	MUL	NULL	
	BudgetID	int	YES	MUL	NULL	
	ScheduleID	int	YES	MUL	NULL	

2. Attendee

	Field	Type	Null	Key	Default	Extra
▶	AttendeeID	int	NO	PRI	NULL	
	FirstName	varchar(50)	YES		NULL	
	LastName	varchar(50)	YES		NULL	
	Email	varchar(100)	YES		NULL	
	PhoneNumber	varchar(15)	YES		NULL	

3. Venue

	Field	Type	Null	Key	Default	Extra
▶	VenueID	int	NO	PRI	NULL	
	VenueName	varchar(100)	YES		NULL	
	Location	varchar(100)	YES		NULL	
	Capacity	int	YES		NULL	

4. Vendor

	Field	Type	Null	Key	Default	Extra
▶	VendorID	int	NO	PRI	NULL	
	VendorName	varchar(100)	YES		NULL	
	ServiceType	varchar(50)	YES		NULL	
	ContactInfo	varchar(100)	YES		NULL	





Table Description

5. Event_Cordinator

Result Grid						Filter Rows:	Export:	Wrap Cell Content:
Field	Type	Null	Key	Default	Extra			
Coordinator_ID	int	NO	PRI	NULL	auto_increment			
FirstName	varchar(50)	YES		NULL				
LastName	varchar(50)	YES		NULL				

6. Task

Result Grid						Filter Rows:	Export:	Wrap Cell Content:
Field	Type	Null	Key	Default	Extra			
TaskID	int	NO	PRI	NULL				
TaskName	varchar(100)	YES		NULL				
EventID	int	YES	MUL	NULL				
AssignedTo	int	YES	MUL	NULL				
DueDate	date	YES		NULL				
Status	varchar(50)	YES		NULL				

7. Schedule

Result Grid						Filter Rows:	Export:	Wrap Cell Content:
Field	Type	Null	Key	Default	Extra			
ScheduleID	int	NO	PRI	NULL				
EventID	int	YES		NULL				
StartTime	time	YES		NULL				
EndTime	time	YES		NULL				
Activity	varchar(100)	YES		NULL				

8. Budget

Result Grid						Filter Rows:	Export:	Wrap Cell Content:
Field	Type	Null	Key	Default	Extra			
BudgetID	int	NO	PRI	NULL				
EventID	int	YES		NULL				
TotalAmount	decimal(10,2)	YES		NULL				
AmountSpent	decimal(10,2)	YES		NULL				





Table Description



9. Feedback

Result Grid | Filter Rows: Export: Wrap Cell Content:

	Field	Type	Null	Key	Default	Extra
▶	Coordinator_ID	int	NO	PRI	NULL	auto_increment
	FirstName	varchar(50)	YES		NULL	
	LastName	varchar(50)	YES		NULL	





Commands:

```
CREATE DATABASE Event_Horizon;  
USE Event_Horizon;
```

```
DROP DATABASE IF EXISTS Event_Horizon;
```



If we want to drop the tables then commands is :

```
DROP TABLE IF EXISTS Events;  
DROP TABLE IF EXISTS Attendee;  
DROP TABLE IF EXISTS Venue;  
DROP TABLE IF EXISTS Vendor;  
DROP TABLE IF EXISTS Task;  
DROP TABLE IF EXISTS Schedule;  
DROP TABLE IF EXISTS Budget;  
DROP TABLE IF EXISTS event_coordinator;
```





Table for Events:

```
CREATE TABLE Events (
    EventID INT PRIMARY KEY,
    EventName VARCHAR(100),
    EventDate DATE,
    VenueID INT,
    BudgetID INT,
    ScheduleID INT,
    FOREIGN KEY (VenueID) REFERENCES Venue(VenueID),
    FOREIGN KEY (BudgetID) REFERENCES Budget(BudgetID),
    FOREIGN KEY (ScheduleID) REFERENCES Schedule(ScheduleID)
);
```



Table for Attendee:

```
CREATE TABLE Attendee (
    AttendeeID INT PRIMARY KEY,
    FirstName VARCHAR(50),
    LastName VARCHAR(50),
    Email VARCHAR(100),
    PhoneNumber VARCHAR(15)
);
```

Table for Venue:

```
CREATE TABLE Venue (
    VenueID INT PRIMARY KEY,
    VenueName VARCHAR(100),
    Location VARCHAR(100),
    Capacity INT
);
```





Table for Vendor:

```
CREATE TABLE Vendor (
    VendorID INT PRIMARY KEY,
    VendorName VARCHAR(100),
    ServiceType VARCHAR(50),
    ContactInfo VARCHAR(100)
);
```



Table for Event_Cordinator:

```
CREATE TABLE Event_Cordinator (
    Coordinator_ID INT PRIMARY KEY AUTO_INCREMENT,
    FirstName VARCHAR(50),
    LastName VARCHAR(50)
);
```





Table for Task:

```
CREATE TABLE Task (
    TaskID INT PRIMARY KEY,
    TaskName VARCHAR(100),
    EventID INT,
    AssignedTo INT,
    DueDate DATE,
    Status VARCHAR(50),
    FOREIGN KEY (EventID) REFERENCES Events(EventID),
    FOREIGN KEY (AssignedTo) REFERENCES Event_Coordinator(Coordinator_ID)
);
```





Table for Schedule:

```
CREATE TABLE Schedule (
    ScheduleID INT PRIMARY KEY,
    EventID INT,
    StartTime TIME,
    EndTime TIME,
    Activity VARCHAR(100)
);
```



Table for Budget:

```
CREATE TABLE Budget (
    BudgetID INT PRIMARY KEY,
    EventID INT,
    TotalAmount DECIMAL(10, 2),
    AmountSpent DECIMAL(10, 2)
);
```





Table for Feedback:

```
CREATE TABLE Feedback (  
FeedbackID INT PRIMARY KEY,  
EventID INT,  
AttendeeID INT,  
Rating INT CHECK (Rating BETWEEN 1 AND 5),  
Comments TEXT,  
FOREIGN KEY (EventID) REFERENCES Events(EventID),  
FOREIGN KEY (AttendeeID) REFERENCES Attendee (AttendeeID)  
);
```





Insert value for Events:

```
INSERT INTO Events (EventID, EventName, EventDate, VenueID, BudgetID,  
ScheduleID) VALUES
```

```
(1, 'Amit and Priya Wedding', '2024-12-05', 1, 1, 1),  
(2, 'Rohan Birthday Bash', '2024-11-15', 2, 2, 2),  
(3, 'Corporate Annual Meet', '2024-10-20', 3, 3, 3),  
(4, 'Diwali Celebration', '2024-09-25', 4, 4, 4),  
(5, 'Sangeet Night', '2024-08-30', 5, 5, 5),  
(6, 'New Year Party', '2024-07-15', 6, 6, 6),  
(7, 'Baby Shower', '2024-06-10', 7, 7, 7),  
(8, 'Golden Jubilee Anniversary', '2024-05-05', 8, 8, 8),  
(9, 'College Reunion', '2024-04-20', 9, 9, 9),  
(10, 'Christmas Gala', '2024-03-15', 10, 10, 10),  
(11, 'Product Launch', '2024-02-10', 11, 11, 11),  
(12, 'Charity Fundraiser', '2024-01-05', 12, 12, 12),  
(13, 'Ganesh Chaturthi', '2023-12-20', 13, 13, 13),  
(14, 'Navratri Garba Night', '2023-11-15', 14, 14, 14),
```





Insert value for Events:

```
INSERT INTO Events (EventID, EventName, EventDate, VenueID, BudgetID,  
ScheduleID) VALUES
```

```
(15, 'Wedding Reception', '2023-10-10', 15, 15, 15),  
(16, 'Book Launch', '2023-09-05', 16, 16, 16),  
(17, 'Photography Exhibition', '2023-08-01', 17, 17, 17),  
(18, 'Dance Competition', '2023-07-25', 18, 18, 18),  
(19, 'Yoga Retreat', '2023-06-20', 19, 19, 19),  
(20, 'Tech Hackathon', '2023-05-15', 20, 20, 20),  
(21, 'Startup Pitch', '2023-04-10', 21, 21, 21),  
(22, 'Music Concert', '2023-03-05', 22, 22, 22),  
(23, 'Art Workshop', '2023-02-01', 23, 23, 23),  
(24, 'Family Function', '2023-01-15', 24, 24, 24),  
(25, 'School Annual Day', '2022-12-10', 25, 25, 25);
```





Insert value for Venue:

INSERT INTO Venue (VenueID, VenueName, Location, Capacity) VALUES

- (1, 'Taj Mahal Palace', 'Mumbai', 500),
- (2, 'Leela Palace', 'Bengaluru', 300),
- (3, 'ITC Grand Chola', 'Chennai', 700),
- (4, 'The Oberoi', 'New Delhi', 400),
- (5, 'Hyatt Regency', 'Kolkata', 350),
- (6, 'JW Marriott', 'Pune', 450),
- (7, 'The Lalit', 'Mumbai', 600),
- (8, 'Radisson Blu', 'Jaipur', 500),
- (9, 'Vivanta by Taj', 'Hyderabad', 550),
- (10, 'The Leela', 'Goa', 300),
- (11, 'Novotel', 'Visakhapatnam', 400),
- (12, 'The Westin', 'Gurgaon', 350),
- (13, 'Sheraton grand', 'Bengaluru', 450),
- (14, 'Renaissance', 'Mumbai', 500),





Insert value for Venue:

```
INSERT INTO Venue (VenueID, VenueName, Location, Capacity) VALUES  
(15, 'Fairmont', 'Jaipur', 600),  
(16, 'Hilton', 'Chennai', 400),  
(17, 'Trident', 'Udaipur', 300),  
(18, 'Four Seasons', 'Mumbai', 350),  
(19, 'Park Hyatt', 'Hyderabad', 450),  
(20, 'Grand Hyatt', 'Kochi', 500),  
(21, 'Marriott', 'Ahmedabad', 400),  
(22, 'Holiday Inn', 'Agra', 300),  
(23, 'Courtyard by Marriott', 'Bhopal', 350),  
(24, 'Le Meridien', 'Nagpur', 450),  
(25, 'Radisson', 'Lucknow', 500);
```





Insert value for Attendee:

INSERT INTO Attendee (AttendeeID, FirstName, LastName, Email, PhoneNumber) VALUES

(1, 'Amit', 'Sharma', 'amit.sharma@example.com', '9876543210'),
(2, 'Priya', 'Rao', 'priya.rao@example.com', '9876543211'),
(3, 'Rahul', 'Verma', 'rahul.verma@example.com', '9876543212'),
(4, 'Sneha', 'Patel', 'sneha.patel@example.com', '9876543213'),
(5, 'Vikram', 'Singh', 'vikram.singh@example.com', '9876543214'),
(6, 'Anjali', 'Nair', 'anjali.nair@example.com', '9876543215'),
(7, 'Rohit', 'Kumar', 'rohit.kumar@example.com', '9876543216'),
(8, 'Pooja', 'Desai', 'pooja.desai@example.com', '9876543217'),
(9, 'Suresh', 'Reddy', 'suresh.reddy@example.com', '9876543218'),
(10, 'Meera', 'Iyer', 'meera.iyer@example.com', '9876543219'),
(11, 'Arjun', 'Gupta', 'arjun.gupta@example.com', '9876543220'),
(12, 'Kavita', 'Joshi', 'kavita.joshi@example.com', '9876543221'),
(13, 'Manish', 'Bhatia', 'manish.bhatia@example.com', '9876543222'),
(14, 'Neha', 'Kapoor', 'neha.kapoor@example.com', '9876543223'),





Insert value for Attendee:

```
INSERT INTO Attendee (AttendeeID, FirstName, LastName, Email,  
PhoneNumber) VALUES  
(15, 'Sanjay', 'Mishra', 'sanjay.mishra@example.com', '9876543224'),  
(16, 'Ritu', 'Shah', 'ritu.shah@example.com', '9876543225'),  
(17, 'Deepak', 'Chauhan', 'deepak.chauhan@example.com', '9876543226'),  
(18, 'Asha', 'Menon', 'asha.menon@example.com', '9876543227'),  
(19, 'Karan', 'Malhotra', 'karan.malhotra@example.com', '9876543228'),  
(20, 'Sunita', 'Rana', 'sunita.rana@example.com', '9876543229'),  
(21, 'Rajesh', 'Pandey', 'rajesh.pandey@example.com', '9876543230'),  
(22, 'Divya', 'Agarwal', 'divya.agarwal@example.com', '9876543231'),  
(23, 'Nitin', 'Saxena', 'nitin.saxena@example.com', '9876543232'),  
(24, 'Shweta', 'Bose', 'shweta.bose@example.com', '9876543233'),  
(25, 'Vikas', 'Mehta', 'vikas.mehta@example.com', '9876543234');
```





Insert value for Venue:

```
INSERT INTO Venue (VenueID, VenueName, Location, Capacity) VALUES
```

```
(1, 'Taj Mahal Palace', 'Mumbai', 500),  
(2, 'Leela Palace', 'Bengaluru', 300),  
(3, 'ITC Grand Chola', 'Chennai', 700),  
(4, 'The Oberoi', 'New Delhi', 400),  
(5, 'Hyatt Regency', 'Kolkata', 350),  
(6, 'JW Marriott', 'Pune', 450),  
(7, 'The Lalit', 'Mumbai', 600),  
(8, 'Radisson Blu', 'Jaipur', 500),  
(9, 'Vivanta by Taj', 'Hyderabad', 550),  
(10, 'The Leela', 'Goa', 300),  
(11, 'Novotel', 'Visakhapatnam', 400),  
(12, 'The Westin', 'Gurgaon', 350),  
(13, 'Sheraton Grand', 'Bengaluru', 450),  
(14, 'Renaissance', 'Mumbai', 500),
```





Insert value for Venue:

```
INSERT INTO Venue (VenueID, VenueName, Location, Capacity) VALUES  
(15, 'Fairmont', 'Jaipur', 600),  
(16, 'Hilton', 'Chennai', 400),  
(17, 'Trident', 'Udaipur', 300),  
(18, 'Four Seasons', 'Mumbai', 350),  
(19, 'Park Hyatt', 'Hyderabad', 450),  
(20, 'Grand Hyatt', 'Kochi', 500),  
(21, 'Marriott', 'Ahmedabad', 400),  
(22, 'Holiday Inn', 'Agra', 300),  
(23, 'Courtyard by Marriott', 'Bhopal', 350),  
(24, 'Le Meridien', 'Nagpur', 450),  
(25, 'Radisson', 'Lucknow', 500);
```





Insert value for Vendor:

```
INSERT INTO Vendor (VendorID, VendorName, ServiceType, ContactInfo)  
VALUES
```

```
(1, 'Saffron Catering', 'Catering', 'saffron@example.com'),  
(2, 'Sound Masters', 'Sound System', 'soundmasters@example.com'),  
(3, 'Floral Fantasy', 'Decorations', 'floralfantasy@example.com'),  
(4, 'Event Planners Inc.', 'Event Planning', 'eventplanners@example.com'),  
(5, 'Tech Solutions', 'AV Equipment', 'techsolutions@example.com'),  
(6, 'Gourmet Delights', 'Catering', 'gourmetdelights@example.com'),  
(7, 'StageCraft', 'Stage Setup', 'stagecraft@example.com'),  
(8, 'LightWorks', 'Lighting', 'lightworks@example.com'),  
(9, 'Music Mania', 'DJ Services', 'musicmania@example.com'),  
(10, 'PhotoPerfect', 'Photography', 'photoperfect@example.com'),  
(11, 'VideoVision', 'Videography', 'videovision@example.com'),  
(12, 'Royal Rides', 'Transportation', 'royalrides@example.com'),  
(13, 'Security Solutions', 'Security', 'securitysolutions@example.com'),  
(14, 'CleanSweep', 'Cleaning Services', 'cleansweep@example.com'),
```





Insert value for Vendor:

```
INSERT INTO Vendor (VendorID, VendorName, ServiceType, ContactInfo)  
VALUES
```

```
(15, 'Green Gardens', 'Landscaping', 'greengardens@example.com'),  
(16, 'Party Rentals', 'Equipment Rentals', 'partyrentals@example.com'),  
(17, 'Sweet Treats', 'Desserts', 'sweettreats@example.com'),  
(18, 'Beverage Bliss', 'Beverages', 'beveragebliss@example.com'),  
(19, 'Crafty Creations', 'Handmade Decor', 'craftycreations@example.com'),  
(20, 'Elegant Events', 'Event Coordination', 'elegantevents@example.com'),  
(21, 'SoundWave', 'Sound System', 'soundwave@example.com'),  
(22, 'Bright Lights', 'Lighting', 'brightlights@example.com'),  
(23, 'Perfect Prints', 'Printing Services', 'perfectprints@example.com'),  
(24, 'Luxury King', 'King Rentals', 'luxurylinens@example.com'),  
(25, 'Fun Fiesta', 'Entertainment', 'funfiesta@example.com');
```





Insert value for Event_coordinator:

```
INSERT INTO Event_Coordinator ( FirstName, LastName ) VALUES  
('Amey', 'patil'),  
( 'Sneha', 'Shinde' ),  
( 'Tanvi', 'singh' ),  
( 'Ashish', 'Pandey' ),  
( 'Pratiksha', 'Patil' ),  
( 'Isha', 'Shinde' ),  
( 'Sameer', 'Jadhav' ),  
( 'Rohan', 'Pawar' ),  
( 'Asif', 'Khan' ),  
( 'Omkar', 'Saxena' ),  
( 'Vikas', 'chauhan' ),  
( 'Rina', 'Khan' ),  
( 'Amruta', 'Desai' ),  
( 'kavita', 'Mishra' ),
```





Insert value for Event_coordinator:

```
INSERT INTO Event_Coordinator ( FirstName, LastName ) VALUES  
    ( 'prashant', 'Patil' ),  
    ( 'Rahul', 'More' ),  
    ( 'Harshala', 'Shinde' ),  
    ( 'Shraddha', 'Kapoor' ),  
    ( 'Avdhoot', 'Patil' ),  
    ( 'Aniket', 'Mishra' ),  
    ( 'Shrikant', 'Rathod' ),  
    ( 'Tarun', 'Patel' ),  
    ( 'Vaibhav', 'Salunke' ),  
    ( 'Rajendra', 'Aher' ),  
    ( 'Simran', 'Patel' );
```





Insert value for Task:

```
INSERT INTO Task (TaskID, TaskName, EventID, AssignedTo, DueDate, Status)  
VALUES
```

```
(1, 'Setup Stage', 1, 1, '2024-12-04', 'Pending'),  
(2, 'Arrange Catering', 2, 2, '2024-11-14', 'Completed'),  
(3, 'Book Photographer', 3, 3, '2024-10-19', 'Pending'),  
(4, 'Send Invitations', 4, 4, '2024-09-24', 'Completed'),  
(5, 'Decorate Venue', 5, 5, '2024-08-29', 'In Progress'),  
(6, 'Arrange Sound System', 6, 6, '2024-07-14', 'Pending'),  
(7, 'Organize Seating', 7, 7, '2024-06-09', 'Completed'),  
(8, 'Coordinate with Vendors', 8, 8, '2024-05-04', 'In Progress'),  
(9, 'Prepare Welcome Kits', 9, 9, '2024-04-19', 'Pending'),  
(10, 'Setup Registration Desk', 10, 10, '2024-03-14', 'Completed'),  
(11, 'Arrange Transportation', 11, 11, '2024-02-09', 'Pending'),  
(12, 'Plan Activities', 12, 12, '2024-01-04', 'In Progress'),  
(13, 'Manage Social Media', 13, 13, '2023-12-19', 'Completed'),  
(14, 'Coordinate Security', 14, 14, '2023-11-14', 'Pending'),
```





Insert value for Task:

```
INSERT INTO Task (TaskID, TaskName, EventID, AssignedTo, DueDate, Status)  
VALUES
```

```
(15, 'Setup Lighting', 15, 15, '2023-10-09', 'In Progress'),  
(16, 'Arrange Accommodation', 16, 16, '2023-09-04', 'Completed'),  
(17, 'Organize Food Stalls', 17, 17, '2023-08-19', 'Pending'),  
(18, 'Plan Entertainment', 18, 18, '2023-07-14', 'In Progress'),  
(19, 'Setup Help Desk', 19, 19, '2023-06-09', 'Completed'),  
(20, 'Arrange Medical Aid', 20, 20, '2023-05-04', 'Pending'),  
(21, 'Coordinate Volunteers', 21, 21, '2023-04-19', 'In Progress'),  
(22, 'Setup Wi-Fi', 22, 22, '2023-03-14', 'Completed'),  
(23, 'Manage Budget', 23, 23, '2023-02-09', 'Pending'),  
(24, 'Plan Backup Power', 24, 24, '2023-01-04', 'In Progress'),  
(25, 'Arrange Cleanup Crew', 25, 25, '2022-12-19', 'Completed');
```





Insert value for Schedule:

```
INSERT INTO Schedule (ScheduleID, EventID, StartTime, EndTime, Activity)  
VALUES
```

```
(1, 1, '08:00', '09:00', 'Bride and Groom Getting Ready'),  
(2, 1, '09:00', '10:00', 'Wedding Ceremony'),  
(3, 1, '10:00', '11:00', 'Wedding Photoshoot'),  
(4, 1, '11:00', '12:00', 'Wedding Reception'),  
(5, 2, '18:00', '19:00', 'Birthday Party Setup'),  
(6, 2, '19:00', '20:00', 'Birthday Cake Cutting'),  
(7, 2, '20:00', '21:00', 'Birthday Dinner'),  
(8, 2, '21:00', '22:00', 'Birthday Dance Party'),  
(9, 3, '10:00', '11:00', 'Engagement Ceremony'),  
(10, 3, '11:00', '12:00', 'Engagement Lunch'),  
(11, 3, '12:00', '13:00', 'Engagement Photoshoot'),  
(12, 4, '09:00', '10:00', 'Anniversary Celebration Setup'),  
(13, 4, '10:00', '11:00', 'Anniversary Ceremony'),  
(14, 4, '11:00', '12:00', 'Anniversary Lunch'),
```





Insert value for Schedule:

INSERT INTO Schedule (**ScheduleID, EventID, StartTime, EndTime, Activity**)
VALUES

(15, 4, '12:00', '13:00', 'Anniversary Dance'),
(16, 5, '17:00', '18:00', 'Baby Shower Setup'),
(17, 5, '18:00', '19:00', 'Baby Shower Games'),
(18, 5, '19:00', '20:00', 'Baby Shower Dinner'),
(19, 5, '20:00', '21:00', 'Baby Shower Gift Opening'),
(20, 6, '08:00', '09:00', 'Housewarming Setup'),
(21, 6, '09:00', '10:00', 'Housewarming Ceremony'),
(22, 6, '10:00', '11:00', 'Housewarming Breakfast'),
(23, 6, '11:00', '12:00', 'Housewarming Tour'),
(24, 7, '18:00', '19:00', 'Retirement Party Setup'),
(25, 7, '19:00', '20:00', 'Retirement Speech');





Insert value for Budget:

```
INSERT INTO Budget (BudgetID, EventID, TotalAmount, AmountSpent)
```

```
VALUES
```

```
(1, 1, 500000.00, 250000.00),  
(2, 2, 300000.00, 150000.00),  
(3, 3, 700000.00, 350000.00),  
(4, 4, 400000.00, 200000.00),  
(5, 5, 350000.00, 175000.00),  
(6, 6, 450000.00, 225000.00),  
(7, 7, 600000.00, 300000.00),  
(8, 8, 550000.00, 275000.00),  
(9, 9, 500000.00, 250000.00),  
(10, 10, 650000.00, 325000.00),  
(11, 11, 300000.00, 150000.00),  
(12, 12, 400000.00, 200000.00),  
(13, 13, 350000.00, 175000.00),  
(14, 14, 450000.00, 225000.00),
```





Insert value for Budget:

```
INSERT INTO Budget (BudgetID, EventID, TotalAmount, AmountSpent)  
VALUES
```

```
(15, 15, 500000.00, 250000.00),  
(16, 16, 600000.00, 300000.00),  
(17, 17, 550000.00, 275000.00),  
(18, 18, 500000.00, 250000.00),  
(19, 19, 650000.00, 325000.00),  
(20, 20, 300000.00, 150000.00),  
(21, 21, 400000.00, 200000.00),  
(22, 22, 350000.00, 175000.00),  
(23, 23, 450000.00, 225000.00),  
(24, 24, 500000.00, 250000.00),  
(25, 25, 600000.00, 300000.00);
```





Insert value for Feedback:

```
INSERT INTO Feedback (FeedbackID, EventID, AttendeeID, Rating, Comments) VALUES
```

```
(1, 1, 1, 5, 'Excellent event! Very well organized.'),  
(2, 1, 2, 4, 'Great wedding ceremony, loved the decorations.'),  
(3, 2, 3, 5, 'Amazing birthday party, had a lot of fun!'),  
(4, 2, 4, 3, 'Good event, but the music was too loud.'),  
(5, 3, 5, 4, 'Engagement ceremony was beautiful.'),  
(6, 3, 6, 5, 'Loved the engagement lunch, very tasty food.'),  
(7, 4, 7, 4, 'Anniversary celebration was well planned.'),  
(8, 4, 8, 3, 'Anniversary dance was enjoyable.'),  
(9, 5, 9, 5, 'Baby shower games were fun and engaging.'),  
(10, 5, 10, 4, 'Baby shower dinner was delicious.'),  
(11, 6, 11, 5, 'Housewarming ceremony was very welcoming.'),  
(12, 6, 12, 4, 'Housewarming breakfast was good.'),  
(13, 7, 13, 5, 'Retirement party was a great success.'),  
(14, 7, 14, 4, 'Retirement speech was very touching.'),
```





Insert value for Feedback:

```
INSERT INTO Feedback (FeedbackID, EventID, AttendeeID, Rating, Comments) VALUES
```

```
(15, 8, 15, 5, 'Corporate annual meet was very informative.'),
```

```
(16, 8, 16, 4, 'Corporate event was well organized.'),
```

```
(17, 9, 17, 5, 'Diwali celebration was vibrant and colorful.'),
```

```
(18, 9, 18, 4, 'Diwali decorations were beautiful.'),
```

```
(19, 10, 19, 5, 'New Year party was fantastic.'),
```

```
(20, 10, 20, 4, 'New Year dinner was delicious.'),
```

```
(21, 11, 21, 5, 'Sangeet night was full of fun and dance.'),
```

```
(22, 11, 22, 4, 'Sangeet performances were amazing.'),
```

```
(23, 12, 23, 5, 'Christmas gala was very festive.'),
```

```
(24, 12, 24, 4, 'Christmas dinner was great.'),
```

```
(25, 13, 25, 5, 'Ganesh Chaturthi celebration was very spiritual.');
```





Suppose I want to see details of Events table :

Result Grid		Filter Rows:	Edit:		Export/Import:	
	EventID	EventName	EventDate	VenueID	BudgetID	ScheduleID
▶	1	Amit and Priya Wedding	2024-12-05	1	1	1
	2	Rohan Birthday Bash	2024-11-15	2	2	2
	3	Corporate Annual Meet	2024-10-20	3	3	3
	4	Diwali Celebration	2024-09-25	4	4	4
	5	Sangeet Night	2024-08-30	5	5	5
	6	New Year Party	2024-07-15	6	6	6
	7	Baby Shower	2024-06-10	7	7	7
	8	Golden Jubilee Anniversary	2024-05-05	8	8	8
	9	College Reunion	2024-04-20	9	9	9
	10	Christmas Gala	2024-03-15	10	10	10
	11	Product Launch	2024-02-10	11	11	11
	12	Charity Fundraiser	2024-01-05	12	12	12
	13	Ganesh Chaturthi	2023-12-20	13	13	13
	14	Navratri Garba Night	2023-11-15	14	14	14
	15	Wedding Reception	2023-10-10	15	15	15
	16	Book Launch	2023-09-05	16	16	16
	17	Photography Exhibition	2023-08-01	17	17	17
	18	Dance Competition	2023-07-25	18	18	18
	19	Yoga Retreat	2023-06-20	19	19	19
	20	Tech Hackathon	2023-05-15	20	20	20
	21	Startup Pitch	2023-04-10	21	21	21
	22	Music Concert	2023-03-05	22	22	22
	23	Art Workshop	2023-02-01	23	23	23
	24	Family Function	2023-01-15	24	24	24
	25	School Annual Day	2022-12-10	25	25	25
*	HULL	HULL	HULL	HULL	HULL	HULL





Suppose I want to see details of Attendee table :

	AttendeeID	FirstName	LastName	Email	PhoneNumber
▶	1	Amit	Sharma	amit.sharma@example.com	9876543210
	2	Priya	Rao	priya.rao@example.com	9876543211
	3	Rahul	Verma	rahul.verma@example.com	9876543212
	4	Sneha	Patel	sneha.patel@example.com	9876543213
	5	Vikram	Singh	vikram.singh@example.com	9876543214
	6	Anjali	Nair	anjali.nair@example.com	9876543215
	7	Rohit	Kumar	rohit.kumar@example.com	9876543216
	8	Pooja	Desai	pooja.desai@example.com	9876543217
	9	Suresh	Reddy	suresh.reddy@example.com	9876543218
	10	Meera	Iyer	meera.iyer@example.com	9876543219
	11	Arjun	Gupta	arjun.gupta@example.com	9876543220
	12	Kavita	Joshi	kavita.joshi@example.com	9876543221
	13	Manish	Bhatia	manish.bhatia@example.com	9876543222
	14	Neha	Kapoor	neha.kapoor@example.com	9876543223
	15	Sanjay	Mishra	sanjay.mishra@example.com	9876543224
	16	Ritu	Shah	ritu.shah@example.com	9876543225
	17	Deepak	Chauhan	deepak.chauhan@example....	9876543226
	18	Asha	Menon	asha.menon@example.com	9876543227
	19	Karan	Malhotra	karan.malhotra@example.com	9876543228
	20	Sunita	Rana	sunita.rana@example.com	9876543229
	21	Rajesh	Pandey	rajesh.pandey@example.com	9876543230
	22	Divya	Agarwal	divya.agarwal@example.com	9876543231
	23	Nitin	Saxena	nitin.saxena@example.com	9876543232
	24	Shweta	Bose	shweta.bose@example.com	9876543233
	25	Vikas	Mehta	vikas.mehta@example.com	9876543234
*	NULL	NULL	NULL	NULL	NULL





Suppose I want to see details of Venue table :

	VenueID	VenueName	Location	Capacity
▶	1	Taj Mahal Palace	Mumbai	500
	2	Leela Palace	Bengaluru	300
	3	ITC Grand Chola	Chennai	700
	4	The Oberoi	New Delhi	400
	5	Hyatt Regency	Kolkata	350
	6	JW Marriott	Pune	450
	7	The Lalit	Mumbai	600
	8	Radisson Blu	Jaipur	500
	9	Vivanta by Taj	Hyderabad	550
	10	The Leela	Goa	300
	11	Novotel	Visakhapatnam	400
	12	The Westin	Gurgaon	350
	13	Sheraton Grand	Bengaluru	450
	14	Renaissance	Mumbai	500
	15	Fairmont	Jaipur	600
	16	Hilton	Chennai	400
	17	Trident	Udaipur	300
	18	Four Seasons	Mumbai	350
	19	Park Hyatt	Hyderabad	450
	20	Grand Hyatt	Kochi	500
	21	Marriott	Ahmedabad	400
	22	Holiday Inn	Agra	300
	23	Courtyard by M...	Bhopal	350
	24	Le Meridien	Nagpur	450
	25	Radisson	Lucknow	500
	NULL	NULL	NULL	NULL





Suppose I want to see details of Vendor table :

Result Grid					Filter Rows:	Edit:	Export/Import
	VendorID	VendorName	ServiceType	ContactInfo			
▶	1	Saffron Catering	Catering	saffron@example.com			
	2	Sound Masters	Sound System	soundmasters@example.com			
	3	Floral Fantasy	Decorations	floralfantasy@example.com			
	4	Event Planners Inc.	Event Planning	eventplanners@example.com			
	5	Tech Solutions	AV Equipment	techsolutions@example.com			
	6	Gourmet Delights	Catering	gourmetdelights@example.com			
	7	StageCraft	Stage Setup	stagecraft@example.com			
	8	LightWorks	Lighting	lightworks@example.com			
	9	Music Mania	DJ Services	musicmania@example.com			
	10	PhotoPerfect	Photography	photoperfect@example.com			
	11	VideoVision	Videography	videovision@example.com			
	12	Royal Rides	Transportation	royalrides@example.com			
	13	Security Solutions	Security	securitysolutions@example.com			
	14	CleanSweep	Cleaning Servi...	deansweep@example.com			
	15	Green Gardens	Landscaping	greengardens@example.com			
	16	Party Rentals	Equipment Re...	partyrentals@example.com			
	17	Sweet Treats	Desserts	sweettreats@example.com			
	18	Beverage Bliss	Beverages	beveragebliss@example.com			
	19	Crafty Creations	Handmade De...	craftycreations@example.com			
	20	Elegant Events	Event Coordin...	elegantevents@example.com			
	21	SoundWave	Sound System	soundwave@example.com			
	22	Bright Lights	Lighting	brightlights@example.com			
	23	Perfect Prints	Printing Services	perfectprints@example.com			
	24	Luxury King	King Rentals	luxurylinens@example.com			
	25	Fun Fiesta	Entertainment	funfiesta@example.com			
*	NULL	NULL	NULL	NULL			





Suppose I want to see details of Event_coordinator table :



	Coordinator_ID	FirstName	LastName
▶	1	Amey	patil
	2	Sneha	Shinde
	3	Tanvi	singh
	4	Ashish	Pandey
	5	Pratiksha	Patil
	6	Isha	Shinde
	7	Sameer	Jadhav
	8	Rohan	Pawar
	9	Asif	Khan
	10	Omkar	Saxena
	11	Vikas	chauhan
	12	Rina	Khan
	13	Amruta	Desai
	14	kavita	Mishra
	15	prashant	Patil
	16	Rahul	More
	17	Harshala	Shinde
	18	Shraddha	Kapoor
	19	Avdhoot	Patil
	20	Aniket	Mishra
	21	Shrikant	Rathod
	22	Tarun	Patel
	23	Vaibhav	Salunke
	24	Rajendra	Aher
	25	Simran	Patel
	NULl	NULl	NULl





Suppose I want to see details of Task table :

	TaskID	TaskName	EventID	AssignedTo	DueDate	Status
▶	1	Setup Stage	1	1	2024-12-04	Pending
	2	Arrange Catering	2	2	2024-11-14	Completed
	3	Book Photographer	3	3	2024-10-19	Pending
	4	Send Invitations	4	4	2024-09-24	Completed
	5	Decorate Venue	5	5	2024-08-29	In Progress
	6	Arrange Sound System	6	6	2024-07-14	Pending
	7	Organize Seating	7	7	2024-06-09	Completed
	8	Coordinate with Vendors	8	8	2024-05-04	In Progress
	9	Prepare Welcome Kits	9	9	2024-04-19	Pending
	10	Setup Registration Desk	10	10	2024-03-14	Completed
	11	Arrange Transportation	11	11	2024-02-09	Pending
	12	Plan Activities	12	12	2024-01-04	In Progress
	13	Manage Social Media	13	13	2023-12-19	Completed
	14	Coordinate Security	14	14	2023-11-14	Pending
	15	Setup Lighting	15	15	2023-10-09	In Progress
	16	Arrange Accommodation	16	16	2023-09-04	Completed
	17	Organize Food Stalls	17	17	2023-08-19	Pending
	18	Plan Entertainment	18	18	2023-07-14	In Progress
	19	Setup Help Desk	19	19	2023-06-09	Completed
	20	Arrange Medical Aid	20	20	2023-05-04	Pending
	21	Coordinate Volunteers	21	21	2023-04-19	In Progress
	22	Setup Wi-Fi	22	22	2023-03-14	Completed
	23	Manage Budget	23	23	2023-02-09	Pending
	24	Plan Backup Power	24	24	2023-01-04	In Progress
	25	Arrange Cleanup Crew	25	25	2022-12-19	Completed
*	HULL	HULL	HULL	HULL	HULL	HULL





Suppose I want to see details of Schedule Table:

	ScheduleID	EventID	StartTime	EndTime	Activity
▶	1	1	08:00:00	09:00:00	Bride and Groom Getting Ready
	2	1	09:00:00	10:00:00	Wedding Ceremony
	3	1	10:00:00	11:00:00	Wedding Photoshoot
	4	1	11:00:00	12:00:00	Wedding Reception
	5	2	18:00:00	19:00:00	Birthday Party Setup
	6	2	19:00:00	20:00:00	Birthday Cake Cutting
	7	2	20:00:00	21:00:00	Birthday Dinner
	8	2	21:00:00	22:00:00	Birthday Dance Party
	9	3	10:00:00	11:00:00	Engagement Ceremony
	10	3	11:00:00	12:00:00	Engagement Lunch
	11	3	12:00:00	13:00:00	Engagement Photoshoot
	12	4	09:00:00	10:00:00	Anniversary Celebration Setup
	13	4	10:00:00	11:00:00	Anniversary Ceremony
	14	4	11:00:00	12:00:00	Anniversary Lunch
	15	4	12:00:00	13:00:00	Anniversary Dance
	16	5	17:00:00	18:00:00	Baby Shower Setup
	17	5	18:00:00	19:00:00	Baby Shower Games
	18	5	19:00:00	20:00:00	Baby Shower Dinner
	19	5	20:00:00	21:00:00	Baby Shower Gift Opening
	20	6	08:00:00	09:00:00	Housewarming Setup
	21	6	09:00:00	10:00:00	Housewarming Ceremony
	22	6	10:00:00	11:00:00	Housewarming Breakfast
	23	6	11:00:00	12:00:00	Housewarming Tour
	24	7	18:00:00	19:00:00	Retirement Party Setup
	25	7	19:00:00	20:00:00	Retirement Speech
*	NULL	NULL	NULL	NULL	NULL





Suppose I want to see details of Budget Table:



	BudgetID	EventID	TotalAmount	AmountSpent
▶	1	1	500000.00	250000.00
	2	2	300000.00	150000.00
	3	3	700000.00	350000.00
	4	4	400000.00	200000.00
	5	5	350000.00	175000.00
	6	6	450000.00	225000.00
	7	7	600000.00	300000.00
	8	8	550000.00	275000.00
	9	9	500000.00	250000.00
	10	10	650000.00	325000.00
	11	11	300000.00	150000.00
	12	12	400000.00	200000.00
	13	13	350000.00	175000.00
	14	14	450000.00	225000.00
	15	15	500000.00	250000.00
	16	16	600000.00	300000.00
	17	17	550000.00	275000.00
	18	18	500000.00	250000.00
	19	19	650000.00	325000.00
	20	20	300000.00	150000.00
	21	21	400000.00	200000.00
	22	22	350000.00	175000.00
	23	23	450000.00	225000.00
	24	24	500000.00	250000.00
	25	25	600000.00	300000.00
*	NULL	NULL	NULL	NULL





Suppose I want to see details of Feedback Table:

	FeedbackID	EventID	AttendeeID	Rating	Comments
▶	1	1	1	5	Excellent event! Very well organized.
	2	1	2	4	Great wedding ceremony, loved the decorations.
	3	2	3	5	Amazing birthday party, had a lot of fun!
	4	2	4	3	Good event, but the music was too loud.
	5	3	5	4	Engagement ceremony was beautiful.
	6	3	6	5	Loved the engagement lunch, very tasty food.
	7	4	7	4	Anniversary celebration was well planned.
	8	4	8	3	Anniversary dance was enjoyable.
	9	5	9	5	Baby shower games were fun and engaging.
	10	5	10	4	Baby shower dinner was delicious.
	11	6	11	5	Housewarming ceremony was very welcoming.
	12	6	12	4	Housewarming breakfast was good.
	13	7	13	5	Retirement party was a great success.
	14	7	14	4	Retirement speech was very touching.
	15	8	15	5	Corporate annual meet was very informative.
	16	8	16	4	Corporate event was well organized.
	17	9	17	5	Diwali celebration was vibrant and colorful.
	18	9	18	4	Diwali decorations were beautiful.
	19	10	19	5	New Year party was fantastic.
	20	10	20	4	New Year dinner was delicious.
	21	11	21	5	Sangeet night was full of fun and dance.
	22	11	22	4	Sangeet performances were amazing.
	23	12	23	5	Christmas gala was very festive.
	24	12	24	4	Christmas dinner was great.
	25	13	25	5	Ganesh Chaturthi celebration was very spiritual.
*	HULL	HULL	HULL	HULL	HULL





Sub-Queries



Question no 1. List the attendees who have attended events with a rating of 5.

- ```
SELECT FirstName, LastName FROM Attendee
WHERE AttendeeID IN (SELECT AttendeeID FROM Feedback
WHERE Rating = 5);
```

| Result Grid |           |          |
|-------------|-----------|----------|
|             | FirstName | LastName |
| ▶           | Amit      | Sharma   |
|             | Rahul     | Verma    |
|             | Anjali    | Nair     |
|             | Suresh    | Reddy    |
|             | Arjun     | Gupta    |
|             | Manish    | Bhatia   |
|             | Sanjay    | Mishra   |
|             | Deepak    | Chauhan  |
|             | Karan     | Malhotra |
|             | Rajesh    | Pandey   |
|             | Nitin     | Saxena   |
|             | Vikas     | Mehta    |





# Sub-Queries



**Question no 2.** Find events with tasks that are assigned but are not yet completed.

- ```
SELECT EventName FROM Events  
WHERE EventID IN (SELECT EventID FROM Task  
WHERE Status != 'Completed');
```

EventName
Amit and Priya Wedding
Corporate Annual Meet
Sangeet Night
New Year Party
Golden Jubilee Anniversary
College Reunion
Product Launch
Charity Fundraiser
Navratri Garba Night
Wedding Reception
Photography Exhibition
Dance Competition
Tech Hackathon
Startup Pitch
Art Workshop
Family Function





Sub-Queries



Question no 3. Find the event names that have a budget greater than the average total budget for all events.

- ```
SELECT EventName FROM Events
WHERE BudgetID IN (SELECT BudgetID FROM Budget
WHERE TotalAmount > (SELECT AVG(TotalAmount) FROM Budget));
```

| Result Grid |                            |
|-------------|----------------------------|
|             | EventName                  |
| ▶           | Amit and Priya Wedding     |
|             | Corporate Annual Meet      |
|             | Baby Shower                |
|             | Golden Jubilee Anniversary |
|             | College Reunion            |
|             | Christmas Gala             |
|             | Wedding Reception          |
|             | Book Launch                |
|             | Photography Exhibition     |
|             | Dance Competition          |
|             | Yoga Retreat               |
|             | Family Function            |
|             | School Annual Day          |





# Sub-Queries



**Question no 4.** Find the names of events that have received feedback with comments containing the word 'excellent'.

- `SELECT EventName FROM Events`

```
WHERE EventID IN (SELECT EventID FROM Feedback WHERE Comments LIKE '%excellent%');
```

Result Grid | Filter Rows

|   | EventName              |
|---|------------------------|
| ▶ | Amit and Priya Wedding |





# Sub-Queries



**Question no 5. Find the names of events scheduled to start before 9 AM.**

- ```
SELECT EventName FROM Events
  WHERE ScheduleID IN (SELECT ScheduleID FROM Schedule
  WHERE StartTime < '09:00:00');
```

Result Grid	
	EventName
▶	Amit and Priya Wedding
	Tech Hackathon





Sub-Queries



Question no 6. Find the names of venues that have hosted events with a budget greater than 400,000.

- ```
SELECT VenueName FROM Venue
WHERE VenueID IN (SELECT VenueID FROM Events
WHERE BudgetID IN (SELECT BudgetID FROM Budget
WHERE TotalAmount > 400000));
```

| VenueName             |
|-----------------------|
| Taj Mahal Palace      |
| ITC Grand Chola       |
| JW Marriott           |
| The Lalit             |
| Radisson Blu          |
| Vivanta by Taj        |
| The Leela             |
| Renaissance           |
| Fairmont              |
| Hilton                |
| Trident               |
| Four Seasons          |
| Park Hyatt            |
| Courtyard by Marriott |
| Le Meridien           |
| Radisson              |





# Sub-Queries



**Question no 7. Find the name of events that have tasks assigned to Sameer Jadhav.**

- ```
SELECT EventName FROM Events  
WHERE EventID IN ( SELECT EventID FROM Task WHERE AssignedTo = ( SELECT coordinator_ID FROM event_coordinator  
WHERE FirstName = 'Sameer' AND LastName = 'Jadhav'));
```



Result Grid | F

EventName
Baby Shower





Sub-Queries



Question no 8. List events that are held in venues with a capacity greater than the average venue capacity.

- ```
SELECT EventName FROM Events
 WHERE VenueID IN (SELECT VenueID FROM Venue
 WHERE Capacity > (SELECT AVG(Capacity) FROM Venue));
```



| Result Grid |                            |
|-------------|----------------------------|
|             | EventName                  |
| ▶           | Amit and Priya Wedding     |
|             | Corporate Annual Meet      |
|             | New Year Party             |
|             | Baby Shower                |
|             | Golden Jubilee Anniversary |
|             | College Reunion            |
|             | Ganesh Chaturthi           |
|             | Navratri Garba Night       |
|             | Wedding Reception          |
|             | Yoga Retreat               |
|             | Tech Hackathon             |
|             | Family Function            |
|             | School Annual Day          |





# Sub-Queries



**Question no 9.** Find the details of tasks for events that have at least one attendee who gave a rating below 4.

- ```
SELECT TaskID, TaskName FROM Task  
WHERE EventID IN (SELECT EventID FROM Feedback WHERE Rating < 4);
```



Result Grid		Filter Rows:
	TaskID	TaskName
▶	2	Arrange Catering
	4	Send Invitations
*	HULL	HULL





Sub-Queries



Question no 10. Find the Task Assigned to Coordinator Isha Shinde.

- ```
SELECT TaskName FROM task
WHERE AssignedTo = (SELECT coordinator_ID FROM event_coordinator
WHERE FirstName = 'Isha' AND LastName = 'Shinde');
```

Result Grid | Filter Rows:

| TaskName               |
|------------------------|
| ▶ Arrange Sound System |



# Joins

**Question no 1. show a list of all tasks and the associated event names.**

- `SELECT T.TaskName, E.EventName FROM Task AS T  
JOIN Events AS E ON T.EventID = E.EventID;`

| TaskName                | EventName                  |
|-------------------------|----------------------------|
| Setup Stage             | Amit and Priya Wedding     |
| Arrange Catering        | Rohan Birthday Bash        |
| Book Photographer       | Corporate Annual Meet      |
| Send Invitations        | Diwali Celebration         |
| Decorate Venue          | Sangeet Night              |
| Arrange Sound System    | New Year Party             |
| Organize Seating        | Baby Shower                |
| Coordinate with Vendors | Golden Jubilee Anniversary |
| Prepare Welcome Kits    | College Reunion            |
| Setup Registration Desk | Christmas Gala             |
| Arrange Transportation  | Product Launch             |
| Plan Activities         | Charity Fundraiser         |
| Manage Social Media     | Ganesh Chaturthi           |
| Coordinate Security     | Navratri Garba Night       |
| Setup Lighting          | Wedding Reception          |
| Arrange Accommodation   | Book Launch                |
| Organize Food Stalls    | Photography Exhibition     |
| Plan Entertainment      | Dance Competition          |
| Setup Help Desk         | Yoga Retreat               |
| Arrange Medical Aid     | Tech Hackathon             |
| Coordinate Volunteers   | Startup Pitch              |
| Setup Wi-Fi             | Music Concert              |
| Manage Budget           | Art Workshop               |
| Plan Backup Power       | Family Function            |
| Arrange Cleanup Crew    | School Annual Day          |



# Joins

Question no 2. Find the list of all events along with the venue name.

- ```
SELECT E.EventName, V.VenueName
FROM Events AS E
INNER JOIN Venue AS V ON E.VenueID = V.VenueID;
```

EventName	VenueName
Amit and Priya Wedding	Taj Mahal Palace
Rohan Birthday Bash	Leela Palace
Corporate Annual Meet	ITC Grand Chola
Diwali Celebration	The Oberoi
Sangeet Night	Hyatt Regency
New Year Party	JW Marriott
Baby Shower	The Lalit
Golden Jubilee Anniversary	Radisson Blu
College Reunion	Vivanta by Taj
Christmas Gala	The Leela
Product Launch	Novotel
Charity Fundraiser	The Westin
Ganesh Chaturthi	Sheraton Grand
Navratri Garba Night	Renaissance
Wedding Reception	Fairmont
Book Launch	Hilton
Photography Exhibition	Trident
Dance Competition	Four Seasons
Yoga Retreat	Park Hyatt
Tech Hackathon	Grand Hyatt
Startup Pitch	Marriott
Music Concert	Holiday Inn
Art Workshop	Courtyard by Marriott
Family Function	Le Meridien
School Annual Day	Radisson



Joins

Question no 3. Find the event name and the total budget amount.

- ```
SELECT E.EventName, B.TotalAmount FROM Events AS E
JOIN Budget AS B
ON E.BudgetID = B.BudgetID;
```

| Result Grid |                            | Filter Rows: |
|-------------|----------------------------|--------------|
|             | EventName                  | TotalAmount  |
| ▶           | Amit and Priya Wedding     | 500000.00    |
|             | Rohan Birthday Bash        | 300000.00    |
|             | Corporate Annual Meet      | 700000.00    |
|             | Diwali Celebration         | 400000.00    |
|             | Sangeet Night              | 350000.00    |
|             | New Year Party             | 450000.00    |
|             | Baby Shower                | 600000.00    |
|             | Golden Jubilee Anniversary | 550000.00    |
|             | College Reunion            | 500000.00    |
|             | Christmas Gala             | 650000.00    |
|             | Product Launch             | 300000.00    |
|             | Charity Fundraiser         | 400000.00    |
|             | Ganesh Chaturthi           | 350000.00    |
|             | Navratri Garba Night       | 450000.00    |
|             | Wedding Reception          | 500000.00    |
|             | Book Launch                | 600000.00    |
|             | Photography Exhibition     | 550000.00    |
|             | Dance Competition          | 500000.00    |
|             | Yoga Retreat               | 650000.00    |
|             | Tech Hackathon             | 300000.00    |
|             | Startup Pitch              | 400000.00    |
|             | Music Concert              | 350000.00    |
|             | Art Workshop               | 450000.00    |
|             | Family Function            | 500000.00    |
|             | School Annual Day          | 600000.00    |



# Joins

**Question no 4.** Find the list of tasks for each event along with the assigned coordinator full name.

- ```
SELECT E.EventName, T.TaskName, C.FirstName, C.LastName
FROM Task AS T
INNER JOIN Events AS E
ON T.EventID = E.EventID
INNER JOIN event_coordinator AS C
ON T.AssignedTo = C.Coordinator_ID;
```

EventName	TaskName	FirstName	LastName
Amit and Priya Wedding	Setup Stage	Amey	Patil
Rohan Birthday Bash	Arrange Catering	Sneha	Shinde
Corporate Annual Meet	Book Photographer	Tanvi	Singh
Diwali Celebration	Send Invitations	Ashish	Pandey
Sangeet Night	Decorate Venue	Pratiksha	Patil
New Year Party	Arrange Sound System	Isha	Shinde
Baby Shower	Organize Seating	Sameer	Jadhav
Golden Jubilee Anniversary	Coordinate with Vendors	Rohan	Pawar
College Reunion	Prepare Welcome Kits	Asif	Khan
Christmas Gala	Setup Registration Desk	Omkar	Saxena
Product Launch	Arrange Transportation	Vikas	Chauhan
Charity Fundraiser	Plan Activities	Rina	Khan
Ganesh Chaturthi	Manage Social Media	Amruta	Desai
Navratri Garba Night	Coordinate Security	Kavita	Mishra
Wedding Reception	Setup Lighting	Prashant	Patil
Book Launch	Arrange Accommodation	Rahul	More
Photography Exhibition	Organize Food Stalls	Harshala	Shinde
Dance Competition	Plan Entertainment	Shradhha	Kapoor
Yoga Retreat	Setup Help Desk	Avdhoot	Patil
Tech Hackathon	Arrange Medical Aid	Aniket	Mishra
Startup Pitch	Coordinate Volunteers	Shrikant	Rathod
Music Concert	Setup Wi-Fi	Tarun	Patel
Art Workshop	Manage Budget	Vaibhav	Salunke
Family Function	Plan Backup Power	Rajendra	Aher
School Annual Day	Arrange Cleanup Crew	Simran	Patel



Joins

Question no 5. Find the total amount spent for each event, along with the event name.

- ```
SELECT E.EventName, sum(B.AmountSpent) AS TotalSpent
FROM Events E
INNER JOIN Budget B ON E.BudgetID = B.BudgetID
GROUP BY E.EventName;
```

| EventName                  | TotalSpent |
|----------------------------|------------|
| Amit and Priya Wedding     | 250000.00  |
| Rohan Birthday Bash        | 150000.00  |
| Corporate Annual Meet      | 350000.00  |
| Diwali Celebration         | 200000.00  |
| Sangeet Night              | 175000.00  |
| New Year Party             | 225000.00  |
| Baby Shower                | 300000.00  |
| Golden Jubilee Anniversary | 275000.00  |
| College Reunion            | 250000.00  |
| Christmas Gala             | 325000.00  |
| Product Launch             | 150000.00  |
| Charity Fundraiser         | 200000.00  |
| Ganesh Chaturthi           | 175000.00  |
| Navratri Garba Night       | 225000.00  |
| Wedding Reception          | 250000.00  |
| Book Launch                | 300000.00  |
| Photography Exhibition     | 275000.00  |
| Dance Competition          | 250000.00  |
| Yoga Retreat               | 325000.00  |
| Tech Hackathon             | 150000.00  |
| Startup Pitch              | 200000.00  |
| Music Concert              | 175000.00  |
| Art Workshop               | 225000.00  |
| Family Function            | 250000.00  |
| School Annual Day          | 300000.00  |



# Joins

**Question no 6. Find the list of events happening at a venue with a capacity of more than 500.**

- ```
SELECT E.EventName, V.VenueName, V.Capacity FROM Events AS E
INNER JOIN Venue AS V
ON E.VenueID = V.VenueID
WHERE V.Capacity > 500;
```

	EventName	VenueName	Capacity
▶	Corporate Annual Meet	ITC Grand Chola	700
	Baby Shower	The Lalit	600
	College Reunion	Vivanta by Taj	550
	Wedding Reception	Fairmont	600



Joins

Question no 7. Find the list of all events and the number of feedback comments each event has received.

- ```
SELECT E.EventName, COUNT(F.FeedbackID) AS FeedbackCount
FROM Events E
LEFT JOIN Feedback F ON E.EventID = F.EventID
GROUP BY E.EventName;
```

| Result Grid |                            | Filter Rows:  |
|-------------|----------------------------|---------------|
|             | EventName                  | FeedbackCount |
| ▶           | Amit and Priya Wedding     | 2             |
|             | Rohan Birthday Bash        | 2             |
|             | Corporate Annual Meet      | 2             |
|             | Diwali Celebration         | 2             |
|             | Sangeet Night              | 2             |
|             | New Year Party             | 2             |
|             | Baby Shower                | 2             |
|             | Golden Jubilee Anniversary | 2             |
|             | College Reunion            | 2             |
|             | Christmas Gala             | 2             |
|             | Product Launch             | 2             |
|             | Charity Fundraiser         | 2             |
|             | Ganesh Chaturthi           | 1             |
|             | Navratri Garba Night       | 0             |
|             | Wedding Reception          | 0             |
|             | Book Launch                | 0             |
|             | Photography Exhibition     | 0             |
|             | Dance Competition          | 0             |
|             | Yoga Retreat               | 0             |
|             | Tech Hackathon             | 0             |
|             | Startup Pitch              | 0             |
|             | Music Concert              | 0             |
|             | Art Workshop               | 0             |
|             | Family Function            | 0             |
|             | School Annual Day          | 0             |





# Joins



**Question no 8. Find the attendee for a specific event like Wedding Reception.**

- ```
SELECT A.FirstName, A.LastName, A.Email
FROM Attendee A
JOIN Events AS E
ON A.AttendeeID = E.eventID
WHERE E.EventName = 'Wedding Reception';
```

	FirstName	LastName	Email
▶	Sanjay	Mishra	sanjay.mishra@example.com



Joins

Question no 9. Calculate Total Budget vs Amount Spent for Each Event.

- ```
SELECT E.EventName, B.TotalAmount, B.AmountSpent
FROM Events AS E
JOIN Budget AS B
ON E.BudgetID = B.BudgetID;
```

|   | EventName                  | TotalAmount | AmountSpent |
|---|----------------------------|-------------|-------------|
| ▶ | Amit and Priya Wedding     | 500000.00   | 250000.00   |
|   | Roham Birthday Bash        | 300000.00   | 150000.00   |
|   | Corporate Annual Meet      | 700000.00   | 350000.00   |
|   | Diwali Celebration         | 400000.00   | 200000.00   |
|   | Sangeet Night              | 350000.00   | 175000.00   |
|   | New Year Party             | 450000.00   | 225000.00   |
|   | Baby Shower                | 600000.00   | 300000.00   |
|   | Golden Jubilee Anniversary | 550000.00   | 275000.00   |
|   | College Reunion            | 500000.00   | 250000.00   |
|   | Christmas Gala             | 650000.00   | 325000.00   |
|   | Product Launch             | 300000.00   | 150000.00   |
|   | Charity Fundraiser         | 400000.00   | 200000.00   |
|   | Ganesh Chaturthi           | 350000.00   | 175000.00   |
|   | Navratri Garba Night       | 450000.00   | 225000.00   |
|   | Wedding Reception          | 500000.00   | 250000.00   |
|   | Book Launch                | 600000.00   | 300000.00   |
|   | Photography Exhibition     | 550000.00   | 275000.00   |
|   | Dance Competition          | 500000.00   | 250000.00   |
|   | Yoga Retreat               | 650000.00   | 325000.00   |
|   | Tech Hackathon             | 300000.00   | 150000.00   |
|   | Startup Pitch              | 400000.00   | 200000.00   |
|   | Music Concert              | 350000.00   | 175000.00   |
|   | Art Workshop               | 450000.00   | 225000.00   |
|   | Family Function            | 500000.00   | 250000.00   |
|   | School Annual Day          | 600000.00   | 300000.00   |



# Joins

**Question no 10.** Display the Event name , tasks assigned for a particular event, including their statuses and assigned coordinator.

- ```
SELECT E.EventName ,T.TaskName, T.DueDate, T.Status, C.FirstName, C.LastName
FROM Task AS T
JOIN event_coordinator C ON T.AssignedTo = C.Coordinator_ID
JOIN events AS E ON T.EventID = E.EventID
WHERE T.EventID = 5;
```

	EventName	TaskName	DueDate	Status	FirstName	LastName
▶	Sangeet Night	Decorate Venue	2024-08-29	In Progress	Pratiksha	Patil



Joins

Question no 11. Find the names and dates of all events that are being held at a specific venue like Leela palace.

```
• SELECT EventName, EventDate FROM Events AS E  
JOIN venue AS V  
ON V.venueID = E.EventID  
WHERE Venuename = 'leela palace';
```

	EventName	EventDate
▶	Rohan Birthday Bash	2024-11-15



Joins

Question no 12. Find how much of the total budget is remaining for each event.

- ```
SELECT E.EventName, (B.TotalAmount - B.AmountSpent) AS BudgetRemaining FROM Events AS E
JOIN Budget AS B
ON E.BudgetID = B.BudgetID
order by BudgetRemaining DESC;
```

| Result Grid |                            |                 |
|-------------|----------------------------|-----------------|
|             | EventName                  | BudgetRemaining |
| ▶           | Corporate Annual Meet      | 350000.00       |
|             | Christmas Gala             | 325000.00       |
|             | Yoga Retreat               | 325000.00       |
|             | Baby Shower                | 300000.00       |
|             | Book Launch                | 300000.00       |
|             | School Annual Day          | 300000.00       |
|             | Golden Jubilee Anniversary | 275000.00       |
|             | Photography Exhibition     | 275000.00       |
|             | Amit and Priya Wedding     | 250000.00       |
|             | College Reunion            | 250000.00       |
|             | Wedding Reception          | 250000.00       |
|             | Dance Competition          | 250000.00       |
|             | Family Function            | 250000.00       |
|             | New Year Party             | 225000.00       |
|             | Navratri Garba Night       | 225000.00       |
|             | Art Workshop               | 225000.00       |
|             | Diwali Celebration         | 200000.00       |
|             | Charity Fundraiser         | 200000.00       |
|             | Startup Pitch              | 200000.00       |
|             | Sangeet Night              | 175000.00       |
|             | Ganesh Chaturthi           | 175000.00       |
|             | Music Concert              | 175000.00       |
|             | Rohan Birthday Bash        | 150000.00       |
|             | Product Launch             | 150000.00       |
|             | Tech Hackathon             | 150000.00       |



# Normal-Queries

**Question no 1.** Find the number of tasks completed for each event.

- ```
SELECT EventID, COUNT(*) AS CompletedTasks FROM Task  
WHERE Status = 'Completed'  
GROUP BY EventID;
```

	EventID	CompletedTasks
▶	2	1
	4	1
	7	1
	10	1
	13	1
	16	1
	19	1
	22	1
	25	1



Normal-Queries

Question no 2. List the vendors offering a specific service type like Catering.

- `SELECT VendorName, servicetype, ContactInfo FROM Vendor
WHERE ServiceType = 'Catering';`

	VendorName	servicetype	ContactInfo
▶	Saffron Catering	Catering	saffron@example.com
	Gourmet Delights	Catering	gourmetdelights@example.com



Normal-Queries

Question no 3. Display all events scheduled between two specific dates 2024-01-01 AND 2024-12-31.

- ```
SELECT EventName, EventDate FROM Events
WHERE EventDate BETWEEN '2024-01-01' AND '2024-12-31';
```

| EventName                  | EventDate  |
|----------------------------|------------|
| Amit and Priya Wedding     | 2024-12-05 |
| Rohan Birthday Bash        | 2024-11-15 |
| Corporate Annual Meet      | 2024-10-20 |
| Diwali Celebration         | 2024-09-25 |
| Sangeet Night              | 2024-08-30 |
| New Year Party             | 2024-07-15 |
| Baby Shower                | 2024-06-10 |
| Golden Jubilee Anniversary | 2024-05-05 |
| College Reunion            | 2024-04-20 |
| Christmas Gala             | 2024-03-15 |
| Product Launch             | 2024-02-10 |
| Charity Fundraiser         | 2024-01-05 |



# Normal-Queries

**Question no 4. Find the full schedule of activities for a birthday cake cutting event.**

- `SELECT Activity, StartTime, EndTime FROM Schedule  
WHERE Activity = 'Birthday Cake Cutting';`

|   | Activity              | StartTime | EndTime  |
|---|-----------------------|-----------|----------|
| ▶ | Birthday Cake Cutting | 19:00:00  | 20:00:00 |



# Normal-Queries

**Question no 5. Find all the attendees whose first name starts with 's' in the Attendee table.**

- `SELECT * FROM Attendee WHERE FirstName LIKE 'S%';`

|   | AttendeeID | FirstName | LastName | Email                     | PhoneNumber |
|---|------------|-----------|----------|---------------------------|-------------|
| ▶ | 4          | Sneha     | Patel    | sneha.patel@example.com   | 9876543213  |
|   | 9          | Suresh    | Reddy    | suresh.reddy@example.com  | 9876543218  |
|   | 15         | Sanjay    | Mishra   | sanjay.mishra@example.com | 9876543224  |
|   | 20         | Sunita    | Rana     | sunita.rana@example.com   | 9876543229  |
|   | 24         | Shweta    | Bose     | shweta.bose@example.com   | 9876543233  |
| * | HULL       | HULL      | HULL     | HULL                      | HULL        |



# Normal-Queries

**Question no 6. Find the unique service types provided by vendors in the Vendor table.**

```
SELECT DISTINCT ServiceType FROM Vendor;
```

| Result Grid |                    |
|-------------|--------------------|
|             | ServiceType        |
| ▶           | Catering           |
|             | Sound System       |
|             | Decorations        |
|             | Event Planning     |
|             | AV Equipment       |
|             | Stage Setup        |
|             | Lighting           |
|             | DJ Services        |
|             | Photography        |
|             | Videography        |
|             | Transportation     |
|             | Security           |
|             | Cleaning Services  |
|             | Landscaping        |
|             | Equipment Rentals  |
|             | Desserts           |
|             | Beverages          |
|             | Handmade Decor     |
|             | Event Coordination |
|             | Printing Services  |
|             | King Rentals       |
|             | Entertainment      |



# Normal-Queries

**Question no 7. Find all tasks related to events and sort by Due Date.**

- `SELECT * FROM Task ORDER BY DueDate ASC;`

| TaskID | TaskName                | EventID | AssignedTo | DueDate    | Status      |
|--------|-------------------------|---------|------------|------------|-------------|
| 25     | Arrange Cleanup Crew    | 25      | 25         | 2022-12-19 | Completed   |
| 24     | Plan Backup Power       | 24      | 24         | 2023-01-04 | In Progress |
| 23     | Manage Budget           | 23      | 23         | 2023-02-09 | Pending     |
| 22     | Setup Wi-Fi             | 22      | 22         | 2023-03-14 | Completed   |
| 21     | Coordinate Volunteers   | 21      | 21         | 2023-04-19 | In Progress |
| 20     | Arrange Medical Aid     | 20      | 20         | 2023-05-04 | Pending     |
| 19     | Setup Help Desk         | 19      | 19         | 2023-06-09 | Completed   |
| 18     | Plan Entertainment      | 18      | 18         | 2023-07-14 | In Progress |
| 17     | Organize Food Stalls    | 17      | 17         | 2023-08-19 | Pending     |
| 16     | Arrange Accommodation   | 16      | 16         | 2023-09-04 | Completed   |
| 15     | Setup Lighting          | 15      | 15         | 2023-10-09 | In Progress |
| 14     | Coordinate Security     | 14      | 14         | 2023-11-14 | Pending     |
| 13     | Manage Social Media     | 13      | 13         | 2023-12-19 | Completed   |
| 12     | Plan Activities         | 12      | 12         | 2024-01-04 | In Progress |
| 11     | Arrange Transportation  | 11      | 11         | 2024-02-09 | Pending     |
| 10     | Setup Registration Desk | 10      | 10         | 2024-03-14 | Completed   |
| 9      | Prepare Welcome Kits    | 9       | 9          | 2024-04-19 | Pending     |
| 8      | Coordinate with Vendors | 8       | 8          | 2024-05-04 | In Progress |
| 7      | Organize Seating        | 7       | 7          | 2024-06-09 | Completed   |
| 6      | Arrange Sound System    | 6       | 6          | 2024-07-14 | Pending     |
| 5      | Decorate Venue          | 5       | 5          | 2024-08-29 | In Progress |
| 4      | Send Invitations        | 4       | 4          | 2024-09-24 | Completed   |
| 3      | Book Photographer       | 3       | 3          | 2024-10-19 | Pending     |
| 2      | Arrange Catering        | 2       | 2          | 2024-11-14 | Completed   |
| 1      | Setup Stage             | 1       | 1          | 2024-12-04 | Pending     |
| *      | HULL                    | HULL    | HULL       | HULL       | HULL        |



# Normal-Queries

**Question no 8. Find which events are scheduled for specific venues with VenueID 1, 2, or 3.**

- ```
SELECT * FROM Events  
WHERE VenueID IN (1, 2, 3);
```

	EventID	EventName	EventDate	VenueID	BudgetID	ScheduleID
▶	1	Amit and Priya Wedding	2024-12-05	1	1	1
▶	2	Rohan Birthday Bash	2024-11-15	2	2	2
▶	3	Corporate Annual Meet	2024-10-20	3	3	3
●	HULL	HULL	HULL	HULL	HULL	HULL



Normal-Queries

Question no 9. Find all Coordinator whose first name starts with 'A' and last name starts with 'P'.

- `SELECT * FROM event_coordinator WHERE FirstName LIKE 'A%' AND LastName LIKE 'P%';`

	Coordinator_ID	FirstName	LastName
▶	1	Amey	patil
	4	Ashish	Pandey
	19	Avdhoot	Patil
*	NULL	NULL	NULL



Normal-Queries

Question no 10. Find all events where the total budget exceeds Rs 600000

- ```
SELECT EventID, SUM(TotalAmount) AS TotalBudget
FROM Budget
GROUP BY EventID
HAVING SUM(TotalAmount) > 600000;
```

| Result Grid |         |             |
|-------------|---------|-------------|
|             | EventID | TotalBudget |
| ▶           | 3       | 700000.00   |
|             | 10      | 650000.00   |
|             | 19      | 650000.00   |





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## SQL-Project-EventHorizon-Event-Booking-Venue-Management-System-Using-SQL

**About**

EventHorizon is a comprehensive Event Booking & Venue Management System designed to streamline the organization of events by integrating venue scheduling, booking management, and resource allocation into a single platform.

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# THANKS!



**9167083826**



**mehulchafekar@gmail.com**



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