**SQL Queries**

**Attribute Types:**

**Organizer:**

* Organizer\_id 🡪 Int

**Event:**

* Time 🡪 Time
* Date 🡪 Date
* Name 🡪 Varchar
* EventID 🡪 Int
* Location 🡪 Varchar

**Attendee:**

* ATT\_ID 🡪 Int

**User:**

* Role 🡪 Enum
* Password 🡪 Varchar
* Fname 🡪 Varchar
* Lname 🡪 Varchar
* User\_ID 🡪 Int

**Ticket:**

* Price 🡪 Int
* TicketType 🡪 Enum
* TicketID 🡪 Int
* Status

**Sponsorship:**

* Address 🡪 Varchar
* Email 🡪 Varchar
* FNAME 🡪 Varchar
* LNAME 🡪 Varchar
* SponsorID 🡪 Int
* Contribution 🡪 Percentage

**Feedback:**

* Rating 🡪 Enum
* FeedbackID 🡪 Int
* Comments 🡪 Varchar
* Email 🡪 Varchar
* Mobile-NO 🡪 Varchar

**Payment:**

* PaymentID 🡪 Int
* PaymentDate 🡪 Date
* Amount 🡪 Int
* Status 🡪 Enum

**Admin:**

* AdminID 🡪 Int
* Permissions 🡪 Varchar

**Insert Table:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | **QUR\_NUM** | | |  | | --- | | **Description** | | |  |  |  | | --- | --- | --- | | | **SQL Query** | | --- |  |  | | --- | |  | | |
| QUR\_01 | |  | | --- | | Insert a new event with time, date, name, event ID, and location. |  |  | | --- | |  | | |  | | --- | | Insert INTO Event VALUES (Time, Date, ‘Name’ , EventID , ‘Location’) |  |  | | --- | |  | |
| QUR\_02 | |  | | --- | | Insert a new sponsor with contact information, first name, last name, sponsor ID, and contribution. |  |  | | --- | |  | | |  | | --- | | Insert INTO Sponsor VALUES (ContactInfo , ‘FNAME’ , ‘LNAME’ , SponsorID , Contribution) | |  |  |  | | --- | |  | |
| QUR\_03 | |  | | --- | | Insert a new ticket with price, ticket type, ticket ID, and status. |  |  | | --- | |  | | |  | | --- | | Insert INTO Ticket VALUES (Price , TicketType , TicketID, Status) |  |  | | --- | |  | |
| QUR\_04 | |  | | --- | | Insert a new attendee with attendee ID. |  |  | | --- | |  | | |  | | --- | | Insert INTO Attendee VALUES (ATT\_ID) |  |  | | --- | |  | |
| QUR\_05 | |  | | --- | | Insert a new user with role, password, first name, last name, and user ID. |  |  | | --- | |  | | |  | | --- | | Insert INTO User VALUES (Role , Password , ‘Fname’, ‘Lname’ , User\_ID) |  |  | | --- | |  | |
| QUR\_06 | |  | | --- | | Insert feedback with rating, feedback ID, comments, email, and mobile number. |  |  | | --- | |  | | |  | | --- | | Insert INTO Feedback VALUES (Rating , FeedbackID , ‘Comments’, ‘Email’ , Mobile-NO) |  |  | | --- | |  | |
| QUR\_07 | |  | | --- | | Insert a new organizer with organizer ID. |  |  | | --- | |  | | |  | | --- | | Insert INTO Organizer VALUES (Organizer\_id) |  |  | | --- | |  | |
| QUR\_08 | |  | | --- | | Insert a new admin with admin ID and permissions. |  |  | | --- | |  | | |  | | --- | | Insert INTO Admin VALUES (AdminID , Permissions) | |  | |  |  |  | | --- | |  | |
| QUR\_09 | |  | | --- | | Insert a new payment record with payment ID, date, amount, and status. |  |  | | --- | |  | | Insert INTO Admin Payment (PaymentID , PaymentDate, Amount , Status) |

**Update Table:**

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| --- | --- | --- |
| QUR\_10 | Updates the payment status to 'Completed' for payment ID 101. | UPDATE Payment SET Status = 'Completed' WHERE Payment\_id = 101 |
| QUR\_11 | Updates payment status to 'Overdue' if the payment amount exceeds 500. | UPDATE Payment SET Status = 'Overdue' WHERE PaymentID = 101 AND Amount > 500 |
| QUR\_12 | Marks payment as 'Delayed' if the payment date is earlier than '2024-12-01'. | UPDATE Payment SET Status = 'Delayed' WHERE PaymentID = 101 AND PaymentDate < '2024-12-01' |
| QUR\_13 | Updates payment status to 'In Process' for payment IDs between 100 and 150. | UPDATE Payment SET Status = 'In Process' WHERE PaymentID BETWEEN 100 AND 150 |
| QUR\_14 | Updates status to 'Completed' for specific payment IDs (101, 102, 103). | UPDATE Payment SET Status = 'Completed' WHERE PaymentID IN (101, 102, 103) |
| QUR\_15 | Updates payment status based on an order's status for a specific payment ID. | UPDATE Payment SET Status = (SELECT Status FROM Orders WHERE OrderID = 200) WHERE PaymentID = 101 |
| QUR\_16 | Uses a CASE statement to set different statuses for payments based on amount ranges. | UPDATE Payment SET Status = CASE WHEN Amount > 1000 THEN 'High Value' WHEN Amount BETWEEN 500 AND 1000 THEN 'Medium Value' ELSE 'Low Value' END WHERE PaymentID = 101 |
| QUR\_17 | Updates payment status to 'Failed' and sets a new payment date. | UPDATE Payment SET Status = 'Failed', PaymentDate = '2024-12-31' WHERE PaymentID = 101 |
| QUR\_18 | Updates organizer ID from 101 to 123. | UPDATE Organizer SET Organizer\_id = 123 WHERE Organizer\_id = 101 |
| QUR\_19 | Updates event details for the specified event ID. | UPDATE Event SET Time = '12:00:00', Date = '2024-12-31', Name = 'New Year Gala', Location = 'Downtown Hall' |
| QUR\_20 | Updates the time of a specific event (ID 456) to 14:00:00. | UPDATE Event SET Time = '14:00:00' WHERE EventID = 456 |
| QUR\_21 | Changes the date of a specific event (ID 456) to '2025-01-01'. | UPDATE Event SET Date = '2025-01-01' WHERE EventID = 456 |
| QUR\_22 | Updates the event name to 'Annual Conference' for event ID 456. | UPDATE Event SET Name = 'Annual Conference' WHERE EventID = 456 |
| QUR\_23 | Changes event location to 'Convention Center' for event ID 456. | UPDATE Event SET Location = 'Convention Center' WHERE EventID = 456 |
| QUR\_24 | Updates the time and date for event ID 456. | UPDATE Event SET Time = '15:00:00', Date = '2024-12-25' WHERE EventID = 456 |
| QUR\_25 | Changes event name and location for event ID 456. | UPDATE Event SET Name = 'Spring Festival', Location = 'City Park' WHERE EventID = 456 |
| QUR\_26 | Updates event time, date, and name for event ID 456. | UPDATE Event SET Time = '18:00:00', Date = '2024-11-15', Name = 'Autumn Gathering' WHERE EventID = 456 |
| QUR\_27 | Changes event time, name, and location for event ID 456. | UPDATE Event SET Time = '20:00:00', Name = 'Winter Ball', Location = 'Community Hall' WHERE EventID = 456 |
| QUR\_28 | Updates event details for ID 456. | UPDATE Event SET Time = '12:00:00', Date = '2024-12-31', Name = 'New Year Gala', Location = 'Downtown Hall' WHERE EventID = 456 |
| QUR\_29 | Changes event name for ID 456 if the time is '18:00:00'. | UPDATE Event SET Name = 'Evening Meetup' WHERE EventID = 456 AND Time = '18:00:00' |
| QUR\_30 | Updates event location for event ID 456 if the date is before '2025-01-01'. | UPDATE Event SET Location = 'Main Auditorium' WHERE EventID = 456 AND Date < '2025-01-01' |
| QUR\_31 | Updates attendee ID from 123 to 789. | UPDATE Attendee SET ATT\_ID = 789 WHERE ATT\_ID = 123 |
| QUR\_32 | Updates user details including role and credentials for user ID 101. | UPDATE User SET Role = 'Admin', Password = 'newPassword123', Fname = 'John', Lname = 'Doe' WHERE User\_ID = 101 |
| QUR\_33 | Updates the user role to 'Guest' for user ID 101. | UPDATE User SET Role = 'Guest' WHERE User\_ID = 101 |
| QUR\_34 | Updates the user password for user ID 101. | UPDATE User SET Password = 'securePass456' WHERE User\_ID = 101 |
| QUR\_35 | Updates the user's first name to 'Alice' for user ID 101. | UPDATE User SET Fname = 'Alice' WHERE User\_ID = 101 |
| QUR\_36 | Updates the user's last name to 'Smith' for user ID 101. | UPDATE User SET Lname = 'Smith' WHERE User\_ID = 101 |
| QUR\_37 | Changes user role to 'Moderator' and updates password for user ID 101. | UPDATE User SET Role = 'Moderator', Password = 'modPass789' WHERE User\_ID = 101 |
| QUR\_38 | Updates the user's first and last name for user ID 101. | UPDATE User SET Fname = 'Emily', Lname = 'Brown' WHERE User\_ID = 101 |
| QUR\_39 | Updates user role to 'Admin' and modifies first and last names for user ID 101. | UPDATE User SET Role = 'Admin', Fname = 'Michael', Lname = 'Johnson' WHERE User\_ID = 101 |
| QUR\_40 | Updates user role to 'SuperAdmin' for user ID 101 if the password matches 'oldPassword123'. | UPDATE User SET Role = 'SuperAdmin' WHERE User\_ID = 101 AND Password = 'oldPassword123' |
| QUR\_41 | Updates user's first and last name if their role is 'User'. | UPDATE User SET Fname = 'David', Lname = 'Williams' WHERE User\_ID = 101 AND Role = 'User' |
| QUR\_42 | Changes user roles to 'Editor' for user IDs between 100 and 110. | UPDATE User SET Role = 'Editor' WHERE User\_ID BETWEEN 100 AND 110 |
| QUR\_43 | Uses CASE statement to conditionally update user role and password. | UPDATE User SET Role = CASE WHEN Role = 'User' THEN 'Admin' WHEN Role = 'Guest' THEN 'User' ELSE 'Moderator' END, Password = CASE WHEN Role = 'Admin' THEN 'adminPass' ELSE 'defaultPass' END WHERE User\_ID = 101 |
| QUR\_44 | Updates user role and first name based on values from other tables. | UPDATE User SET Role = (SELECT Role FROM Permissions WHERE PermissionID = 5), Fname = (SELECT Fname FROM Employees WHERE EmployeeID = 201) WHERE User\_ID = 101 |
| QUR\_45 | Resets user details for user ID 101. | UPDATE User SET Role = 'Guest', Password = 'resetPassword', Fname = 'Default', Lname = 'User' WHERE User\_ID = 101 |
| QUR\_46 | Sets first and last names to 'Unknown' if the user role is NULL. | UPDATE User SET Fname = 'Unknown', Lname = 'User' WHERE Role IS NULL |
| QUR\_47 | Sets user role to 'VIP' for users whose last name starts with 'D'. | UPDATE User SET Role = 'VIP' WHERE Lname LIKE 'D%' |
| QUR\_48 | Updates ticket details for ticket ID 567. | UPDATE Ticket SET Price = 150, TicketType = 'VIP', Status = 'Confirmed' WHERE TicketID = 567 |
| QUR\_49 | Changes ticket price for ticket ID 567. | UPDATE Ticket SET Price = 150 WHERE TicketID = 567 |
| QUR\_50 | Updates ticket type for ticket ID 567. | UPDATE Ticket SET TicketType = 'VIP' WHERE TicketID = 567 |

**Delete Table:**

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| --- | --- | --- |
| **QUR\_51** | Delete an event by EventID | DELETE FROM Event WHERE EventID = ?; |
| **QUR\_52** | Delete an event by Time | DELETE FROM Event WHERE Time = ?; |
| **QUR\_53** | Delete an event by Date | DELETE FROM Event WHERE Date = ?; |
| **QUR\_54** | Delete an event by Name | DELETE FROM Event WHERE Name = ?; |
| **QUR\_55** | Delete an event by Location | DELETE FROM Event WHERE Location = ?; |
| **QUR\_56** | Delete an attendee by ATT\_ID | DELETE FROM Attendee WHERE ATT\_ID = ?; |
| **QUR\_57** | Delete a user by User\_ID | DELETE FROM User WHERE User\_ID = ?; |
| **QUR\_58** | Delete a user by Role | DELETE FROM User WHERE Role = ?; |
| **QUR\_59** | Delete a user by Password | DELETE FROM User WHERE Password = ?; |
| **QUR\_60** | Delete a user by First Name (Fname) | DELETE FROM User WHERE Fname = ?; |
| **QUR\_61** | Delete a user by Last Name (Lname) | DELETE FROM User WHERE Lname = ?; |
| **QUR\_62** | Delete a ticket by TicketID | DELETE FROM Ticket WHERE TicketID = ?; |
| **QUR\_63** | Delete a ticket by Price | DELETE FROM Ticket WHERE Price = ?; |
| **QUR\_64** | Delete a ticket by TicketType | DELETE FROM Ticket WHERE TicketType = ?; |
| **QUR\_65** | Delete a ticket by Status | DELETE FROM Ticket WHERE Status = ?; |
| **QUR\_66** | Delete a sponsorship by SponsorID | DELETE FROM Sponsorship WHERE SponsorID = ?; |
| **QUR\_67** | Delete a sponsorship by ContactInfo | DELETE FROM Sponsorship WHERE ContactInfo = ?; |
| **QUR\_68** | Delete a sponsorship by First Name (FNAME) | DELETE FROM Sponsorship WHERE FNAME = ?; |
| **QUR\_69** | Delete a sponsorship by Last Name (LNAME) | DELETE FROM Sponsorship WHERE LNAME = ?; |
| **QUR\_70** | Delete a sponsorship by Contribution | DELETE FROM Sponsorship WHERE Contribution = ?; |
| **QUR\_71** | Delete a feedback by FeedbackID | DELETE FROM Feedback WHERE FeedbackID = ?; |
| **QUR\_72** | Delete a feedback by Rating | DELETE FROM Feedback WHERE Rating = ?; |
| **QUR\_73** | Delete a feedback by Comments | DELETE FROM Feedback WHERE Comments = ?; |
| **QUR\_74** | Delete a feedback by Email | DELETE FROM Feedback WHERE Email = ?; |
| **QUR\_75** | Delete a feedback by Mobile Number (Mobile\_NO) | DELETE FROM Feedback WHERE Mobile\_NO = ?; |
| **QUR\_76** | Delete a payment by PaymentID | DELETE FROM Payment WHERE PaymentID = ?; |
| **QUR\_77** | Delete a payment by PaymentDate | DELETE FROM Payment WHERE PaymentDate = ?; |
| **QUR\_78** | Delete a payment by Amount | DELETE FROM Payment WHERE Amount = ?; |
| **QUR\_79** | Delete a payment by Status | DELETE FROM Payment WHERE Status = ?; |
| **QUR\_80** | Delete an admin by AdminID | DELETE FROM Admin WHERE AdminID = ?; |
| **QUR\_81** | Delete an admin by Permissions | DELETE FROM Admin WHERE Permissions = ?; |

**Select Table:**

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| --- | --- | --- |
| QUR\_82 | Select Event by Organizer | SELECT \* FROM Event WHERE Organizer = ?; |
| QUR\_83 | Select Attendee by EventID | SELECT \* FROM Attendee WHERE EventID = ?; |
| QUR\_84 | Select Tickets by EventID | SELECT \* FROM Ticket WHERE EventID = ?; |
| QUR\_85 | Select Payments by User\_ID | SELECT \* FROM Payment WHERE User\_ID = ?; |
| QUR\_86 | Select Sponsorship by EventID | SELECT \* FROM Sponsorship WHERE EventID = ?; |
| QUR\_87 | Select Feedback by EventID | SELECT \* FROM Feedback WHERE EventID = ?; |
| QUR\_88 | Select User by Email | SELECT \* FROM User WHERE Email = ?; |
| QUR\_89 | Select Attendee by Email | SELECT \* FROM Attendee WHERE Email = ?; |
| QUR\_90 | Select Admin by Email | SELECT \* FROM Admin WHERE Email = ?; |
| QUR\_91 | Select Admin by Name | SELECT \* FROM Admin WHERE Name = ?; |
| QUR\_92 | Select Event by Capacity | SELECT \* FROM Event WHERE Capacity = ?; |
| QUR\_93 | Select Sponsorship by Organization | SELECT \* FROM Sponsorship WHERE Organization = ?; |
| QUR\_94 | Select Payments by PaymentType | SELECT \* FROM Payment WHERE PaymentType = ?; |
| QUR\_95 | Select Ticket by SeatNumber | SELECT \* FROM Ticket WHERE SeatNumber = ?; |
| QUR\_96 | Select Feedback by SubmissionDate | SELECT \* FROM Feedback WHERE SubmissionDate = ?; |
| QUR\_97 | Select Attendee by Mobile\_NO | SELECT \* FROM Attendee WHERE Mobile\_NO = ?; |
| QUR\_98 | Select User by Mobile\_NO | SELECT \* FROM User WHERE Mobile\_NO = ?; |
| QUR\_99 | Select Admin by Role | SELECT \* FROM Admin WHERE Role = ?; |
| QUR\_100 | Select Event by EventType | SELECT \* FROM Event WHERE EventType = ?; |