## **Event Management System**



## **Submitted By**

**Rifat Hossain** 

Roll: 42230200824

Jisad kamal

Roll: 42230200825

## **Submitted To**

**Rumman Ahmed Prodhan** 

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## **Event Management System**

The Event Management System is a comprehensive platform designed to facilitate the planning, organization, and execution of various events. Whether it's a conference, seminar, workshop, or any other gathering, this system streamlines the entire event lifecycle, from initial planning to post-event analysis. Key features include event creation, attendee management, session scheduling, speaker coordination, and registration tracking.

### \*\*\* Tables in the Event Management System:

#### 1. Events:

Stores information about individual events, including event name, description, dates, location, and organizer details.

#### 2. Users:

Manages user profiles, authentication credentials, and contact information for both organizers and attendees.

#### 3. Attendees:

Tracks attendee registrations for specific events, linking attendees to their respective events and user profiles.

## 4. Organizers:

Contains details of event organizers, associating them with user accounts and providing additional organizer-specific information.

#### 5. Sessions:

Organizes event activities into sessions, each with its own name, description, schedule, location, and associated speakers.

#### 6. Speakers:

Stores information about speakers or presenters participating in event sessions, including their bio and contact details.

## 7. Registrations:

Tracks attendee registrations for individual sessions within events, recording registration dates and status.

\*\*\* The information which are going to be available in the database are given below:

**Table:** Registrations

#### **Attributes:**

- registration\_id (Primary Key)
- event\_id (Foreign Key referencing Events(event\_id))
- attendee\_id (Foreign Key referencing Attendees(attendee\_id))
- registration\_date
- registration\_status

#### **Relations:**

- Registrations event\_id Events
- Registrations attendee\_id Attendees

## Table: Speakers

#### **Attributes:**

- speaker\_id (Primary Key)
- user\_id (Foreign Key referencing Users(user\_id))
- bio
- contact\_information

#### **Relations:**

• Speakers - user\_id - Users

#### **Table:** Sessions

#### **Attributes:**

- session\_id (Primary Key)
- event\_id (Foreign Key referencing Events(event\_id))
- session\_name
- start\_time
- end\_time
- location
- speaker\_id (Foreign Key referencing Speakers(speaker\_id))

#### **Relations:**

- Sessions event\_id Events
- Sessions speaker\_id Speakers

## **Table:** Organizers

#### **Attributes:**

- organizer\_id (Primary Key)
- user\_id (Foreign Key referencing Users(user\_id))

#### **Relations:**

• Organizers - user\_id - Users

**Table:** Attendees

#### **Attributes:**

- attendee\_id (Primary Key)
- event\_id (Foreign Key referencing Events(event\_id))
- user\_id (Foreign Key referencing Users(user\_id))

#### **Relations:**

- Attendees event\_id Events
- Attendees user\_id Users

Table: Users

#### **Attributes:**

- user\_id (Primary Key)
- username
- password
- email
- full\_name

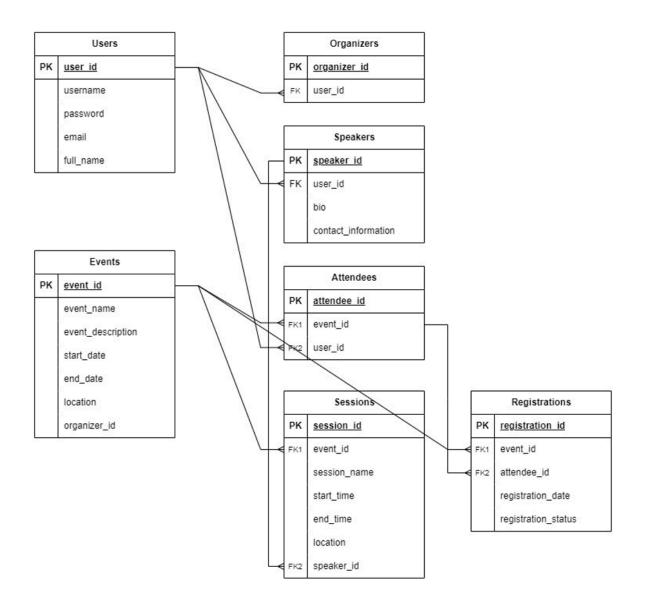
**Table:** Events

#### **Attributes:**

- event\_id (Primary Key)
- event\_name
- event\_description
- start\_date
- end\_date
- location
- organizer\_id (Foreign Key referencing Organizers(organizer\_id))

#### **Relations:**

• Events - organizer\_id - Organizers



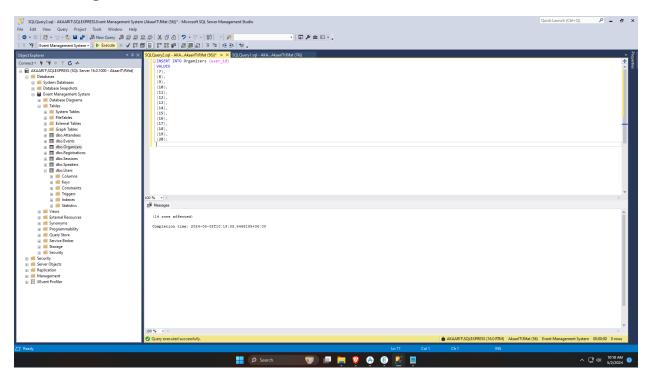
**Schema Diagram of Event Management System** 

## **Insert Data Into Tables**

## **Table: User**

```
| Company | Administration | Administrat
```

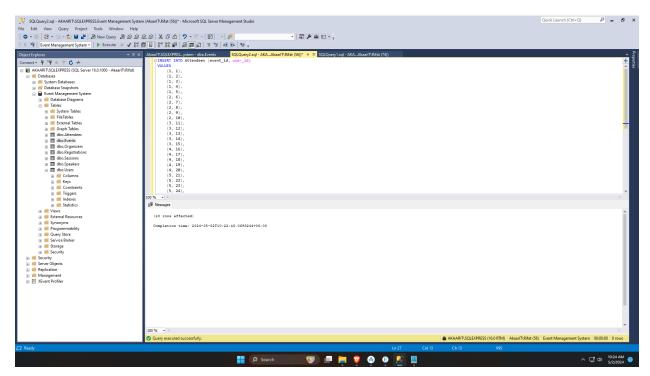
## **Table: Organizer**



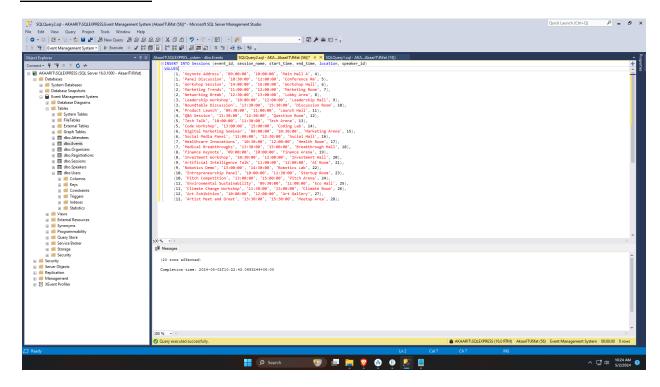
## **Table: Events**

```
| Part |
```

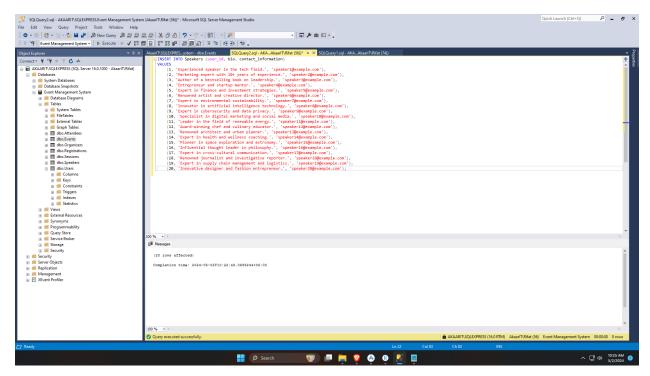
## **Table: Attendance**



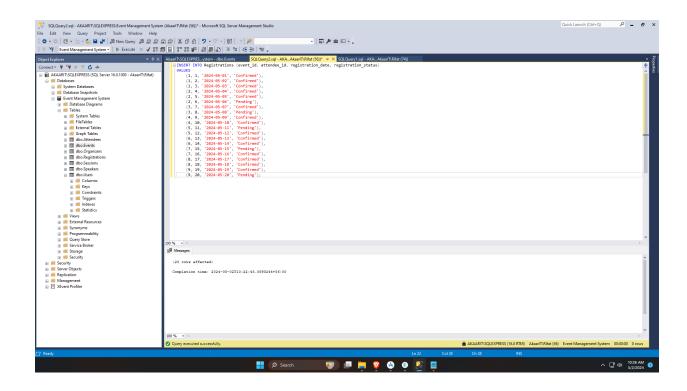
## **Table: Sessions**



## **Table: Speakers**

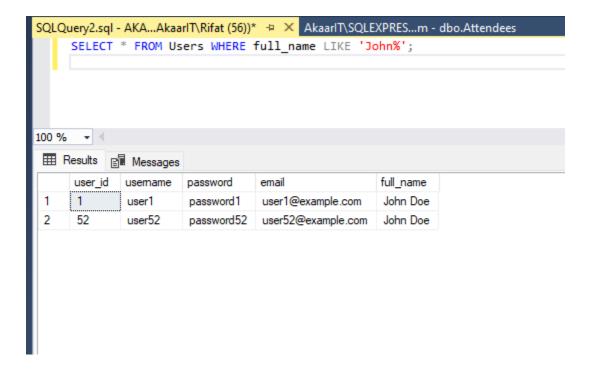


## **Table: Registration**

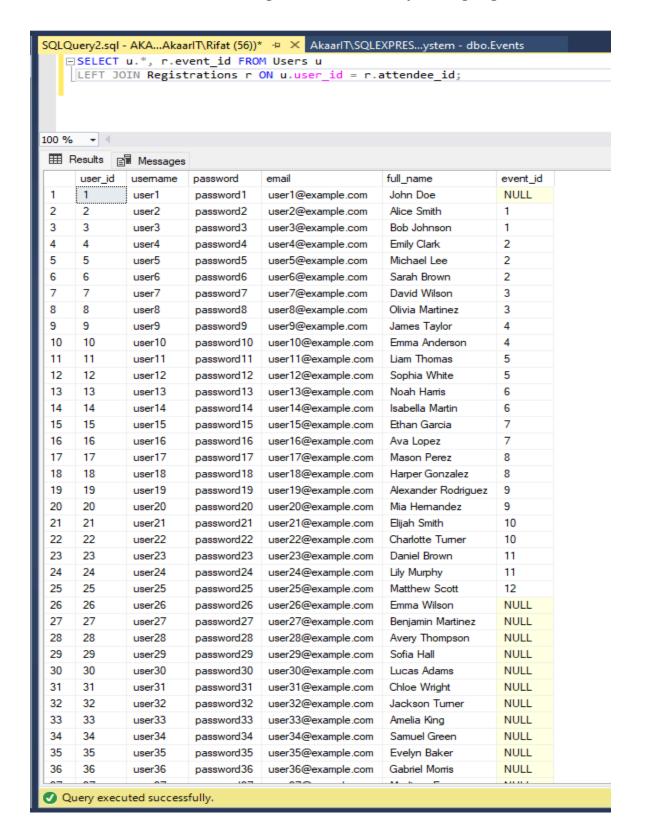


## **Running Query**

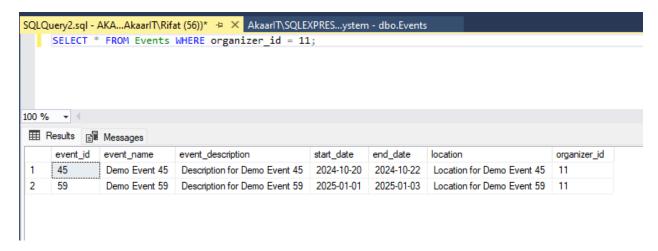
1. Select users whose full names start with 'John':



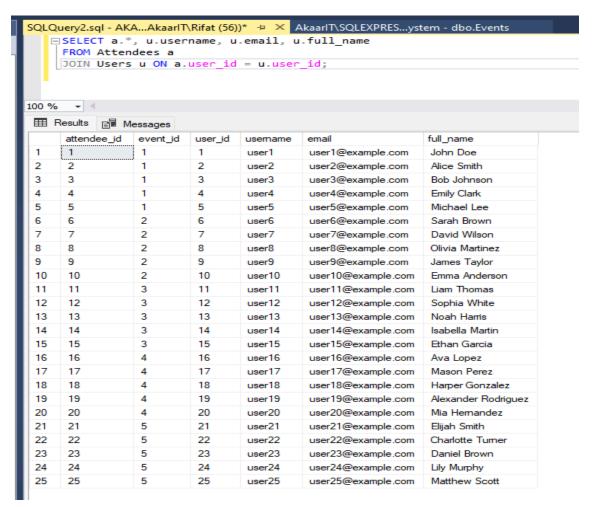
#### 2. Select user information along with their corresponding registrations:



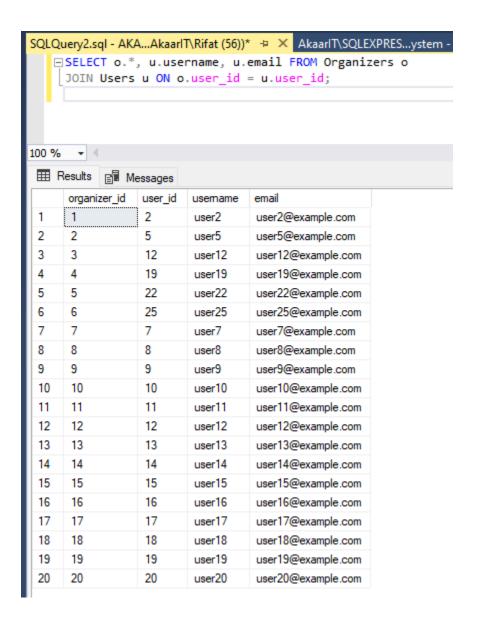
### 3. To find events based on organizer:



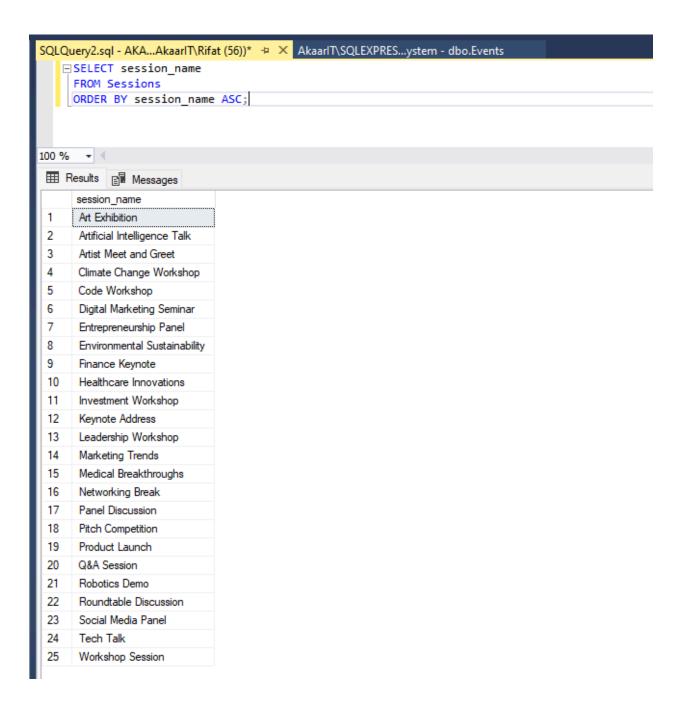
### 4. Query to Retrieve Attendee Information with User Details:



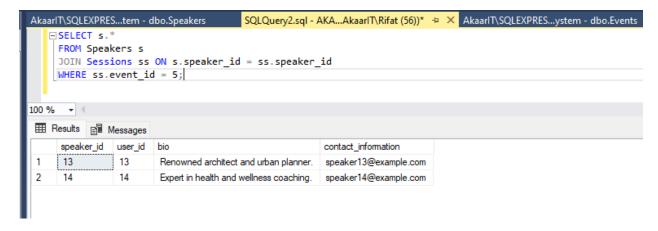
## 5. Select organizer information along with their corresponding user information:



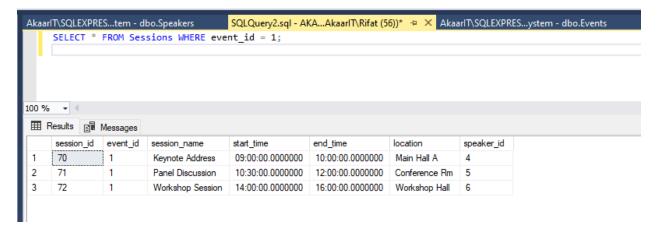
## 6. List of Sessions in Alphabetical Order:



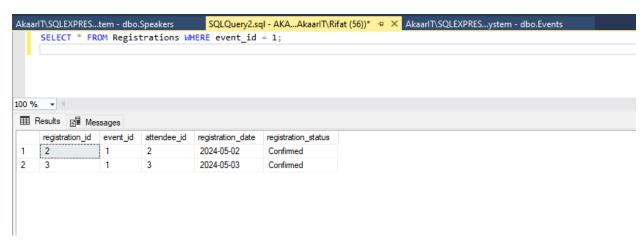
## 7. Speaker Details for Specific Event:



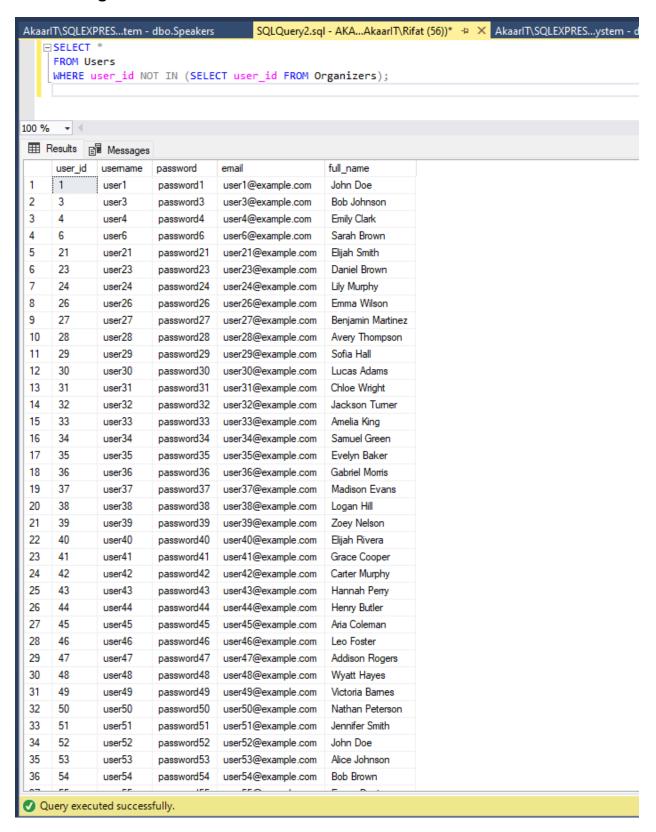
### 8. Select sessions for a specific event:



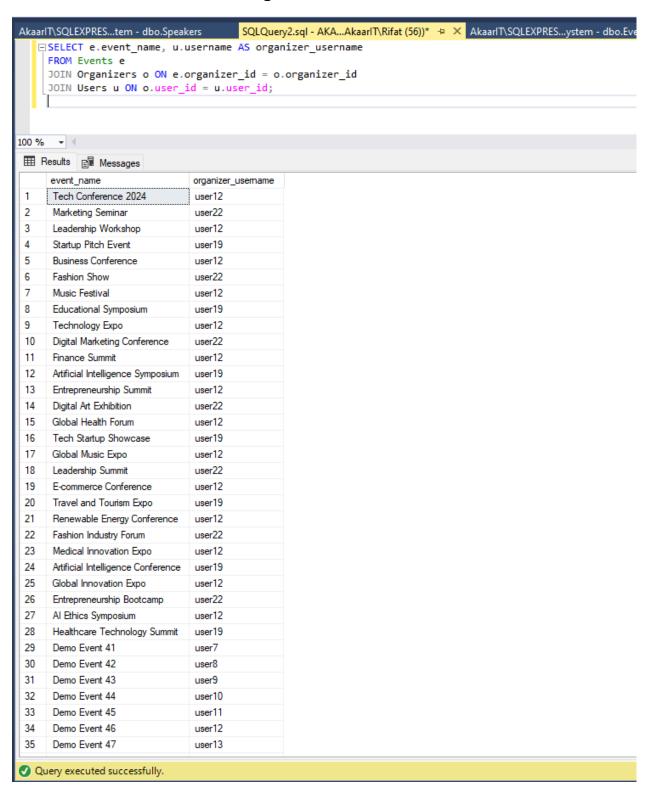
## 9. Select registrations for a specific event:



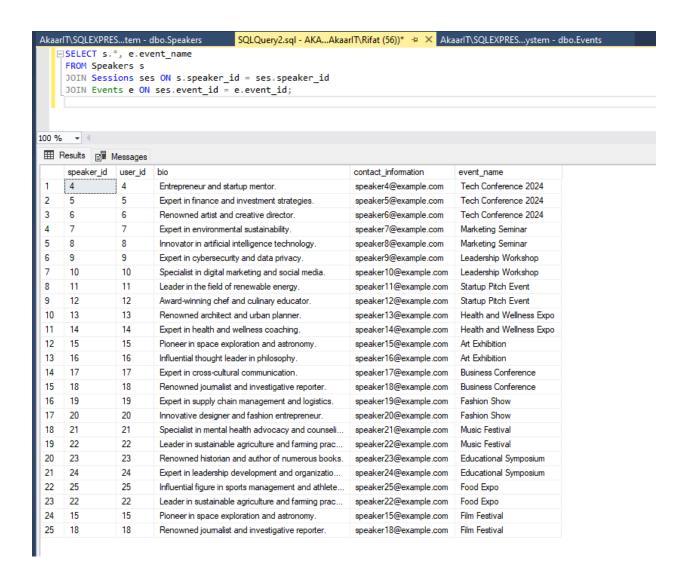
#### 10. Non-Organizer Users:



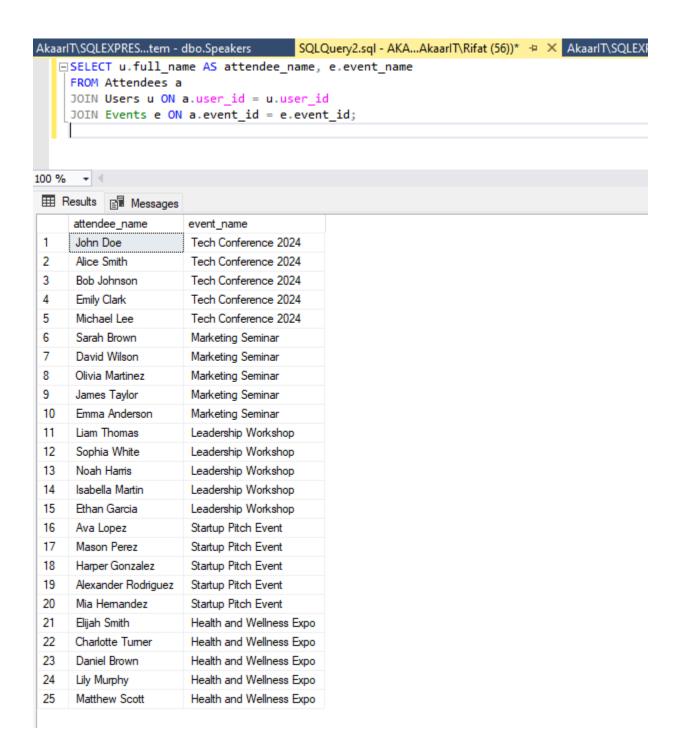
## 11. List of all events with their organizers' usernames:



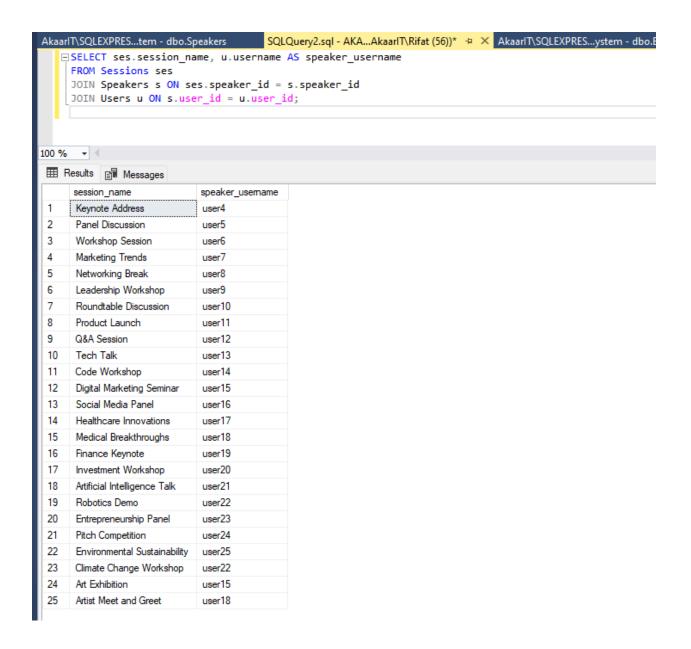
#### 12. Details of all speakers along with their corresponding events:



#### 13. Attendees and their associated events:



## 14. List of all sessions with their speakers' usernames:



### 15. Organizers and the events they are organizing:

