

### Task 3

Project: Event Management System using PostgreSQL.

Objective: To develop the application that allows users to create and manage events, track attendees, and handle event registrations efficiently. The project will include the following tasks:

#### 1. Database Creation

Create a database named "EventsManagement." Create tables for Events, Attendees, and Registrations.

Events- Event\_Id, Event\_Name, Event\_Date, Event\_Location, Event\_Description

Attendees- Attendee\_Id, Attendee\_Name, Attendee\_Phone, Attendee\_Email, Attendee\_City

Registrations-Registration\_Id, Event\_Id, Attendee\_Id,Registration\_Date,Registration\_Amount.

The FOREIGN KEY constraint in the Registrations table references the Event\_Id column in the Events table and the Attendee\_Id column in the Attendees table.

✓	7	20:25:28	Create Database EventsManagement	1 row(s) affected
✓	8	20:25:28	Use EventsManagement	0 row(s) affected
✓	9	20:25:28	Create Table Events ( Event_Id Int Auto_Increment Primary Key, Event_Name Varchar(100), Event_Da...	0 row(s) affected
✓	10	20:25:28	CREATE TABLE Attendees ( Attendee_Id Int Auto_Increment Primary Key, Attendee_Name Varchar(100)...	0 row(s) affected
✓	11	20:25:28	CREATE TABLE Registrations ( Registration_Id Int Auto_Increment Primary Key, Event_Id Int, Attende...	0 row(s) affected

#### 2. Data Creation

Insert some sample data for Events, Attendees, and Registrations tables with respective fields.

Table - Events

Event_Id	Event_Name	Event_Date	Event_Location	Event_Description
1	Tech Conference	2025-08-15	New Delhi	Annual technology conference.
2	Startup Pitch	2025-09-10	Mumbai	Pitching event for startups.
3	Art Expo	2025-10-01	Bangalore	Exhibition of modern art.
NULL	NULL	NULL	NULL	NULL

Table - Attendees

Attendee_Id	Attendee_Name	Attendee_Phone	Attendee_Email	Attendee_City
1	Ayush Chauhan	1234567890	alice@example.com	Mumbai
2	Rishab Sharma	9876543210	bob@example.com	Delhi
3	K Kamal	1122334455	charlie@example.com	Chennai
NULL	NULL	NULL	NULL	NULL

Table - Registrations

Result Grid

Filter Rows:

Edit:

Export/Import:

	Registration_Id	Event_Id	Attendee_Id	Registration_Date	Registration_Amount
▶	1	1	1	2025-07-01	100.00
	2	2	2	2025-07-02	150.00
	3	1	3	2025-07-03	100.00
*	NULL	NULL	NULL	NULL	NULL

### 3. Manage Event Details

a) Inserting a new event.

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
Event_Id	Event_Name	Event_Date	Event_Location	Event_Description
1	Tech Conference	2025-08-15	New Delhi	Annual technology conference.
2	Startup Pitch	2025-09-10	Mumbai	Pitching event for startups.
3	Art Expo	2025-10-01	Banglore	Exhibition of modern art.
4	Music Fest	2025-11-05	Hyderabad	Live music performances.
* NULL	NULL	NULL	NULL	NULL

Events 9 x

b) Updating an event's information.

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell C
Event_Id	Event_Name	Event_Date	Event_Location	Event_Description
1	Tech Conference	2025-08-15	New Delhi	Annual technology conference.
2	Startup Pitch	2025-09-10	Mumbai	Pitching event for startups.
3	Art Expo	2025-10-01	Chennai	Exhibition of modern art.
4	Music Fest	2025-11-05	Hyderabad	Live music performances.
* NULL	NULL	NULL	NULL	NULL

Events 10 x

c) Deleting an event.

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap C
Event_Id	Event_Name	Event_Date	Event_Location	Event_Description
1	Tech Conference	2025-08-15	New Delhi	Annual technology conference.
2	Startup Pitch	2025-09-10	Mumbai	Pitching event for startups.
4	Music Fest	2025-11-05	Hyderabad	Live music performances.
* NULL	NULL	NULL	NULL	NULL

#### 4) Manage Track Attendees & Handle Events

a) Inserting a new attendee.

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
Attendee_Id	Attendee_Name	Attendee_Phone	Attendee_Email	Attendee_City
1	Ayush Chauhan	1234567890	alice@example.com	New York
2	Rishab Sharma	9876543210	bob@example.com	Chicago
3	K Kamal	1122334455	charlie@example.com	San Francisco
5	Yamuna	4455667788	yamuna@example.com	Japan
* NULL	NULL	NULL	NULL	NULL

Attendees 14 x

b) Registering an attendee for an event.

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap
Registration_Id	Event_Id	Attendee_Id	Registration_Date	Registration_Amount
1	1	1	2025-07-01	100.00
2	2	2	2025-07-02	150.00
3	1	3	2025-07-03	100.00
5	2	5	2025-07-10	120.00
* NULL	NULL	NULL	NULL	NULL

5. Develop queries to retrieve event information, generate attendee lists, and calculate event attendance statistics.



Event information -

Result Grid	Filter Rows:	Edit:	Export/Import:	Wrap Cell Content:
Event_Id	Event_Name	Event_Date	Event_Location	Event_Description
1	Tech Conference	2025-08-15	New Delhi	Annual technology conference.
2	Startup Pitch	2025-09-10	Mumbai	Pitching event for startups.
4	Music Fest	2025-11-05	Hyderabad	Live music performances.
* NULL	NULL	NULL	NULL	NULL

Attendee list -

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
Event_Name	Attendee_Name	Attendee_Email	Attendee_Phone
Tech Conference	Ayush Chauhan	alice@example.com	1234567890
Tech Conference	K Kamal	charlie@example.com	1122334455
Startup Pitch	Rishab Sharma	bob@example.com	9876543210
Startup Pitch	Yamuna	yamuna@example.com	4455667788

Attendees statistics -

Result Grid   Filter Rows: <input type="text"/>		
	Event_Name	Total_Attendees
▶	Tech Conference	2
	Startup Pitch	2
	Music Fest	0