Task 3

Project: Event Management System using PostgreSQL\*/

1. Database creation

CREATE DATABASE EventsManagement;

CREATE TABLE Events (

Event\_Id INT PRIMARY KEY,

Event\_Name VARCHAR(255) NOT NULL,

Event\_Date DATE,

Event\_Location VARCHAR(255),

Event\_Description TEXT

);

CREATE TABLE Attendees (

Attendee\_Id INT PRIMARY KEY,

Attendee\_Name VARCHAR(255) NOT NULL,

Attendee\_Phone VARCHAR(20),

Attendee\_Email VARCHAR(255),

Attendee\_City VARCHAR(100)

);

CREATE TABLE Registrations (

Registration\_Id INT PRIMARY KEY,

Event\_Id INT,

Attendee\_Id INT,

Registration\_Date DATE,

Registration\_Amount DECIMAL(10, 2),

FOREIGN KEY (Event\_Id) REFERENCES Events(Event\_Id),

FOREIGN KEY (Attendee\_Id) REFERENCES Attendees(Attendee\_Id)

);

–2. Data creation

INSERT INTO Events VALUES

(4, 'Data Science Symposium', '2024-08-15', 'Boston', 'A symposium dedicated to data science and analytics.'),

(5, 'Blockchain Conference', '2024-09-20', 'Seattle', 'A conference exploring the latest trends and developments in blockchain technology.'),

(6, 'Digital Marketing Expo', '2024-10-10', 'Los Angeles', 'An expo showcasing cutting-edge strategies and tools in digital marketing.');

INSERT INTO Attendees VALUES

(4, 'Michael Brown', '333-222-1111', 'michael.brown@gmail.com', 'Boston'),

(5, 'Emma Davis', '444-555-6666', 'emma.davis@gmail.com', 'Seattle'),

(6, 'William Wilson', '777-888-9999', 'william.wilson@gmail.com', 'Los Angeles');

INSERT INTO Registrations VALUES

(5, 4, 4, '2024-07-01', 120.00),

(6, 5, 5, '2024-07-02', 90.00),

(7, 6, 6, '2024-07-03', 80.00);

/\*3. Manage event details

Inserting a new event\*/

INSERT INTO Events VALUES (7, 'New Tech Conference', '2024-08-15', 'Los Angeles', 'An annual conference highlighting the latest advancements in technology.');

–B. Updating an event’s informech Conference',

UPDATE Events

SET Event\_Name = 'Updated Tech Conference',

Event\_Date = '2024-08-20',

Event\_Location = 'San Diego',

Event\_Description = 'An updated conference showcasing the latest advancements in technology.'

WHERE Event\_Id = 6;

–C.deleting an event

DELETE FROM Events

WHERE Event\_Id = 5;

/\*4. Manage track attendees & handle events

Inserting a new attendee\*/

INSERT INTO Attendees VALUES (8, 'Emily Johnson', '111-222-3333', 'emily.johnson@yahoo.com', 'Los Angeles');

–B. Registering an attendee for an event

INSERT INTO Registrations VALUES (5, 1, 4, '2024-04-25', 120.00);

SELECT \* FROM Registrations;

–5.

SELECT \*

FROM Events;

SELECT Attendees.\*

FROM Attendees

INNER JOIN Registrations ON Attendees.Attendee\_Id = Registrations.Attendee\_Id

WHERE Registrations.Event\_Id = 3;

SELECT Events.Event\_Name, COUNT(Registrations.Attendee\_Id) AS Attendee\_Count

FROM Events

LEFT JOIN Registrations ON Events.Event\_Id = Registrations.Event\_Id

GROUP BY Events.Event\_Id;