Task 3

Q1 Create tables for Events, Attendees, and Registrations.

CREATE TABLE Events (

Event\_Id INT PRIMARY KEY,

Event\_Name VARCHAR(200) NOT NULL,

Event\_Date DATE,

Event\_Location VARCHAR(200),

Event\_Description TEXT

);

CREATE TABLE Attendees (

Attendee\_Id INT PRIMARY KEY,

Attendee\_Name VARCHAR(100) NOT NULL,

Attendee\_Phone VARCHAR(15),

Attendee\_Email VARCHAR(100) UNIQUE,

Attendee\_City VARCHAR(100)

);

CREATE TABLE Registrations (

Registration\_id INT PRIMARY KEY,

Event\_Id INT,

Attendee\_Id INT,

Registration\_Date DATE NOT NULL,

Registration\_Amount NUMERIC(10, 2),

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

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

);

Q2 Insert some sample data for Events, Attendees, and Registrations tables with respective fields.

Add DATA

Q3 a) Inserting a new event.

INSERT INTO Events (Event\_Id, Event\_Name, Event\_Date, Event\_Location, Event\_Description) VALUES

(106, 'Digital Art & Design Workshop', '2026-08-12', 'MGF Metropolitan Mall, Gurgaon', 'Hands-on training session for Photoshop and Illustrator.');

b) Updating an event's information.

UPDATE Events

SET

Event\_Date = '2026-04-10',

Event\_Location = 'Pragati Maidan, New Delhi'

WHERE

Event\_Id = 101;

c) Deleting an event.

DELETE FROM Registrations

WHERE Event\_Id = 103;

DELETE FROM Events

WHERE Event\_Id = 103;

Q4 a) Inserting a new attendee.

INSERT INTO Attendees (Attendee\_Id, Attendee\_Name, Attendee\_Phone, Attendee\_Email, Attendee\_City) VALUES

(511, 'Harshita Kapoor', '9555112233', 'harshita.k@mail.com', 'Gurgaon');

TO VERIFY THIS

SELECT \* FROM Attendees WHERE Attendee\_Id = 511;

b)Registering an attendee for an event.

INSERT INTO Registrations (Registration\_id, Event\_Id, Attendee\_Id, Registration\_Date, Registration\_Amount) VALUES

(8010, 106, 511, '2025-12-03', 250.00);

Q5 Develop queries to retrieve event information, generate attendee lists, and calculate event

attendance statistics.

a)Retrieve Specific Event Information

SELECT

Event\_Id,

Event\_Name,

Event\_Date,

Event\_Location,

Event\_Description

FROM

Events

WHERE

Event\_Id = 101;



b) Generate Attendee List for an Event

SELECT

E.Event\_Name,

A.Attendee\_Name,

A.Attendee\_City,

A.Attendee\_Email,

R.Registration\_Date

FROM

Registrations R

JOIN

Attendees A ON R.Attendee\_Id = A.Attendee\_Id

JOIN

Events E ON R.Event\_Id = E.Event\_Id

WHERE

E.Event\_Id = 101

ORDER BY

A.Attendee\_Name;



c) Calculate Event Attendance Statistics

SELECT

E.Event\_Name,

E.Event\_Location,

COUNT(R.Registration\_id) AS Total\_Attendees,

SUM(R.Registration\_Amount) AS Total\_Revenue

FROM

Events E

JOIN

Registrations R ON E.Event\_Id = R.Event\_Id

GROUP BY

E.Event\_Id, E.Event\_Name, E.Event\_Location

ORDER BY

Total\_Attendees DESC;

