LAB -3

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| 4bsccm\_2340146 |

| 4bsccm\_2340177 |

| information\_schema |

| mysql |

| performance\_schema |

| sakila |

| sys |

| world |

+--------------------+

8 rows in set (0.00 sec)

mysql> use 4bsccm\_2340177;

Database changed

mysql> drop table tournaments;

Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE Tournaments (

-> TournamentID INT AUTO\_INCREMENT PRIMARY KEY,

-> TournamentName VARCHAR(100) NOT NULL UNIQUE,

-> MaxTeams INT CHECK (MaxTeams > 0 AND MaxTeams <= 50),

-> StartDate DATE NOT NULL,

-> EndDate DATE NOT NULL,

-> Location VARCHAR(100) NOT NULL

-> );

Query OK, 0 rows affected (0.05 sec)

mysql> CREATE TABLE Participants (

-> ParticipantID INT AUTO\_INCREMENT PRIMARY KEY,

-> ParticipantName VARCHAR(100) NOT NULL,

-> Email VARCHAR(100) UNIQUE,

-> Age INT,

-> TeamName VARCHAR(100) NOT NULL,

-> TournamentID INT,

-> FOREIGN KEY (TournamentID) REFERENCES Tournaments(TournamentID)

-> );

Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO Tournaments (TournamentName, MaxTeams, StartDate, EndDate, Location)

-> VALUES ('Cricket Cup 2024', 16, '2024-03-01', '2024-03-15', 'Bangalore');

Query OK, 1 row affected (0.01 sec)

mysql> INSERT INTO Participants (ParticipantName, Email, Age, TeamName, TournamentID)

-> VALUES ('yachiru unohana', 'unohana@yahoo.com', 22, 'Team Ace', 1);

Query OK, 1 row affected (0.01 sec)

mysql> SELECT p.ParticipantName, p.TeamName, t.TournamentName, t.Location

-> FROM Participants p

-> JOIN Tournaments t ON p.TournamentID = t.TournamentID

-> WHERE t.TournamentName = 'Cricket Cup 2024';

+-----------------+----------+------------------+-----------+

| ParticipantName | TeamName | TournamentName | Location |

+-----------------+----------+------------------+-----------+

| yachiru unohana | Team Ace | Cricket Cup 2024 | Bangalore |

+-----------------+----------+------------------+-----------+

1 row in set (0.00 sec)

mysql> SELECT \* FROM Tournaments WHERE Location = 'Bangalore';

+--------------+------------------+----------+------------+------------+-----------+

| TournamentID | TournamentName | MaxTeams | StartDate | EndDate | Location |

+--------------+------------------+----------+------------+------------+-----------+

| 1 | Cricket Cup 2024 | 16 | 2024-03-01 | 2024-03-15 | Bangalore |

+--------------+------------------+----------+------------+------------+-----------+

1 row in set (0.00 sec)

mysql> ALTER TABLE Participants ADD COLUMN PhoneNumber VARCHAR(15);

Query OK, 0 rows affected (0.03 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE Participants RENAME TO TournamentParticipants;

Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Tournaments (TournamentName, MaxTeams, StartDate, EndDate, Location)

-> VALUES (NULL, 16, '2024-03-01', '2024-03-15', 'Bangalore');

ERROR 1048 (23000): Column 'TournamentName' cannot be null

mysql> INSERT INTO Tournaments (TournamentName, MaxTeams, StartDate, EndDate, Location)

-> VALUES ('Cricket Cup 2024', 16, '2024-03-01', '2024-03-15', 'Bangalore');

ERROR 1062 (23000): Duplicate entry 'Cricket Cup 2024' for key 'tournaments.TournamentName'

mysql> ALTER TABLE Tournaments ADD PRIMARY KEY (Location);

ERROR 1068 (42000): Multiple primary key defined

mysql> INSERT INTO Participants (ParticipantName, Email, Age, TeamName, TournamentID)

-> VALUES ('John Doe', 'john.doe@example.com', 25, 'Team Alpha', 999);

ERROR 1146 (42S02): Table '4bsccm\_2340177.participants' doesn't exist

mysql> INSERT INTO Participants (ParticipantName, Email, Age, TeamName, TournamentID)

-> VALUES ('Jane Smith', 'jane.smith@example.com', 17, 'Team Beta', 1);

ERROR 1146 (42S02): Table '4bsccm\_2340177.participants' doesn't exist

mysql>

mysql> INSERT INTO Tournaments (TournamentName, MaxTeams, StartDate, EndDate, Location)

-> VALUES ('Cricket Cup 2024', 16, '2024-03-01', '2024-03-15', 'Bangalore');

ERROR 1062 (23000): Duplicate entry 'Cricket Cup 2024' for key 'tournaments.TournamentName'

mysql>

mysql> show tables;

+--------------------------+

| Tables\_in\_4bsccm\_2340177 |

+--------------------------+

| courses |

| particpants |

| sportsevents |

| students |

| tournaments |

+--------------------------+

5 rows in set (0.00 sec)

mysql>

mysql> ALTER TABLE TournamentParticipants RENAME TO Participants;

Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO Participants (ParticipantName, Email, Age, TeamName, TournamentID)

-> VALUES ('John Doe', 'john.doe@example.com', 25, 'Team Alpha', 1)

-> ;

Query OK, 1 row affected (0.01 sec)

mysql> SELECT p.ParticipantName, p.TeamName, t.TournamentName, t.Location

-> FROM Participants p

-> JOIN Tournaments t ON p.TournamentID = t.TournamentID

-> WHERE t.TournamentName = 'Cricket Cup 2024';

+-----------------+------------+------------------+-----------+

| ParticipantName | TeamName | TournamentName | Location |

+-----------------+------------+------------------+-----------+

| yachiru unohana | Team Ace | Cricket Cup 2024 | Bangalore |

| John Doe | Team Alpha | Cricket Cup 2024 | Bangalore |

+-----------------+------------+------------------+-----------+

2 rows in set (0.00 sec)

mysql> SELECT \* FROM Tournaments WHERE Location = 'Bangalore';

+--------------+------------------+----------+------------+------------+-----------+

| TournamentID | TournamentName | MaxTeams | StartDate | EndDate | Location |

+--------------+------------------+----------+------------+------------+-----------+

| 1 | Cricket Cup 2024 | 16 | 2024-03-01 | 2024-03-15 | Bangalore |

+--------------+------------------+----------+------------+------------+-----------+

1 row in set (0.00 sec)

mysql> notee;