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---------------------------------( ASSIGNMENT 1 )---------------------------------

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---------------------------------( TEAM table )-----------------------------------

CREATE TABLE TEAM (

Team\_ID INT PRIMARY KEY,

Name VARCHAR(50) NOT NULL,

Home\_Stadium VARCHAR(50) NOT NULL,

Wins INT DEFAULT 0,

Losses INT DEFAULT 0

);

INSERT INTO TEAM (Team\_ID, Name, Home\_Stadium, Wins, Losses)

VALUES

(1, 'Karachi Kings', 'National Stadium', 0, 0),

(2, 'Lahore Qalandars', 'Gaddafi Stadium', 0, 0),

(3, 'Islamabad United', 'Rawalpindi Cricket Stadium', 0, 0),

(4, 'Peshawar Zalmi', 'Arbab Niaz Stadium', 0, 0),

(5, 'Quetta Gladiators', 'Bugti Stadium', 0, 0),

(6, 'Multan Sultans', 'Multan Cricket Stadium', 0, 0);

-- Update query to update team win and loss status using winner table

UPDATE TEAM

SET

Wins = (SELECT COUNT(\*) FROM WINNER WHERE Winning\_Team\_ID = TEAM.Team\_ID),

Losses = (SELECT COUNT(\*) FROM MATCH

WHERE (Team1\_ID = TEAM.Team\_ID OR Team2\_ID = TEAM.Team\_ID)

AND Match\_ID NOT IN (SELECT Match\_ID FROM WINNER WHERE Winning\_Team\_ID = TEAM.Team\_ID));

---------------------------------( PLAYER table )-----------------------------------

CREATE TABLE PLAYER (

Player\_ID INT PRIMARY KEY,

Name VARCHAR(50) NOT NULL,

Role VARCHAR(50) NOT NULL,

Team\_ID INT, FOREIGN KEY (Team\_ID) REFERENCES TEAM(Team\_ID)

);

INSERT INTO PLAYER (Player\_ID, Name, Role, Team\_ID)

VALUES

(1, 'Babar Azam', 'Batsman', 1),

(2, 'Shaheen Afridi', 'Bowler', 2),

(3, 'Shadab Khan', 'All-Rounder', 3),

(4, 'Wahab Riaz', 'Bowler', 4),

(5, 'Sarfaraz Ahmed', 'Wicketkeeper', 5),

(6, 'Mohammad Rizwan', 'Wicketkeeper', 6),

(7, 'Imad Wasim', 'All-Rounder', 1),

(8, 'Fakhar Zaman', 'Batsman', 2),

(9, 'Asif Ali', 'Batsman', 3),

(10, 'Haris Rauf', 'Bowler', 4),

(11, 'Hassan Ali', 'Bowler', 5),

(12, 'Faheem Ashraf', 'All-Rounder', 6),

(13, 'Mohammad Hafeez', 'All-Rounder', 1),

(14, 'Shoaib Malik', 'All-Rounder', 2),

(15, 'Ahmed Shehzad', 'Batsman', 3),

(16, 'Umar Akmal', 'Batsman', 4),

(17, 'Shan Masood', 'Batsman', 5),

(18, 'Kamran Akmal', 'Wicketkeeper', 6),

(19, 'Yasir Shah', 'Bowler', 1),

(20, 'Junaid Khan', 'Bowler', 2);

---------------------------------( STADIUM table )-----------------------------------

CREATE TABLE STADIUM (

Stadium\_ID INT PRIMARY KEY,

Name VARCHAR(50) NOT NULL,

Location VARCHAR(100) NOT NULL,

Capacity INT NOT NULL

);

INSERT INTO STADIUM (Stadium\_ID, Name, Location, Capacity)

VALUES

(1, 'National Stadium', 'Karachi', 25000),

(2, 'Gaddafi Stadium', 'Lahore', 27000),

(3, 'Rawalpindi Cricket Stadium', 'Rawalpindi', 28000),

(4, 'Multan Cricket Stadium', 'Multan', 30000),

(5, 'Rawalpindi Stadium', 'Islamabad', 26000),

(6, 'Bugti Stadium', 'Quetta', 23000);

---------------------------------( MATCH table )-----------------------------------

CREATE TABLE MATCH (

Match\_ID INT PRIMARY KEY,

Date DATE NOT NULL,

Time TIME NOT NULL,

Stadium\_ID INT,

Match\_Type VARCHAR(20) NOT NULL,

Team1\_ID INT,

Team2\_ID INT,

FOREIGN KEY (Stadium\_ID) REFERENCES STADIUM(Stadium\_ID),

FOREIGN KEY (Team1\_ID) REFERENCES TEAM(Team\_ID),

FOREIGN KEY (Team2\_ID) REFERENCES TEAM(Team\_ID)

);

INSERT INTO MATCH (Match\_ID, Date, Time, Stadium\_ID, Match\_Type, Team1\_ID, Team2\_ID)

VALUES

(1, '2024-03-01', '15:00:00', 1, 'Qualifier', 1, 2),

(2, '2024-03-02', '15:00:00', 2, 'Eliminator', 3, 4),

(3, '2024-03-03', '15:00:00', 3, 'Eliminator', 5, 6),

(4, '2024-03-04', '15:00:00', 4, 'Final', 1, 3),

(5, '2024-03-05', '15:00:00', 1, 'Qualifier', 2, 3),

(6, '2024-03-06', '15:00:00', 2, 'Eliminator', 4, 5),

(7, '2024-03-07', '15:00:00', 3, 'Eliminator', 6, 1),

(8, '2024-03-08', '15:00:00', 4, 'Final', 3, 5),

(9, '2024-03-09', '15:00:00', 1, 'Qualifier', 1, 4),

(10, '2024-03-10', '15:00:00', 2, 'Eliminator', 2, 6),

(11, '2024-03-11', '15:00:00', 3, 'Eliminator', 3, 4),

(12, '2024-03-12', '15:00:00', 4, 'Final', 1, 6),

(13, '2024-03-13', '15:00:00', 1, 'Qualifier', 2, 5),

(14, '2024-03-14', '15:00:00', 2, 'Eliminator', 4, 6),

(15, '2024-03-15', '15:00:00', 3, 'Eliminator', 1, 3),

(16, '2024-03-16', '15:00:00', 4, 'Final', 2, 4),

(17, '2024-03-17', '15:00:00', 1, 'Qualifier', 3, 6),

(18, '2024-03-18', '15:00:00', 2, 'Eliminator', 1, 5),

(19, '2024-03-19', '15:00:00', 3, 'Eliminator', 2, 4),

(20, '2024-03-20', '15:00:00', 4, 'Final', 3, 6);

------------------------------------( PERFORMANCE table )------------------------------

CREATE TABLE PERFORMANCE (

Performance\_ID INT PRIMARY KEY,

Match\_ID INT,

Player\_ID INT,

Runs\_Scored INT,

Wickets\_Taken INT,

Catches INT,

FOREIGN KEY (Match\_ID) REFERENCES MATCH(Match\_ID),

FOREIGN KEY (Player\_ID) REFERENCES PLAYER(Player\_ID)

);

INSERT INTO PERFORMANCE (Performance\_ID, Match\_ID, Player\_ID, Runs\_Scored, Wickets\_Taken, Catches)

VALUES

(1, 1, 1, 78, 0, 1), -- Player 1's performance in Match 1

(2, 1, 2, 0, 2, 0), -- Player 2's performance in Match 1

(3, 1, 3, 45, 1, 0), -- Player 3's performance in Match 1

(4, 2, 4, 102, 1, 2), -- Player 4's performance in Match 2

(5, 2, 5, 56, 0, 1), -- Player 5's performance in Match 2

(6, 2, 6, 0, 3, 0), -- Player 6's performance in Match 2

(7, 3, 7, 23, 0, 0), -- Player 7's performance in Match 3

(8, 3, 8, 37, 2, 1), -- Player 8's performance in Match 3

(9, 3, 9, 0, 1, 0), -- Player 9's performance in Match 3

(10, 4, 10, 67, 1, 0), -- Player 10's performance in Match 4

(11, 4, 11, 0, 0, 2), -- Player 11's performance in Match 4

(12, 4, 12, 0, 2, 1), -- Player 12's performance in Match 4

(13, 5, 13, 88, 1, 0), -- Player 13's performance in Match 5

(14, 5, 14, 45, 0, 1), -- Player 14's performance in Match 5

(15, 5, 15, 0, 3, 0), -- Player 15's performance in Match 5

(16, 6, 16, 78, 0, 0), -- Player 16's performance in Match 6

(17, 6, 17, 0, 2, 1), -- Player 17's performance in Match 6

(18, 6, 18, 34, 1, 0), -- Player 18's performance in Match 6

(19, 7, 19, 67, 1, 0), -- Player 19's performance in Match 7

(20, 7, 20, 0, 0, 2), -- Player 20's performance in Match 7

(21, 8, 1, 102, 0, 0), -- Player 1's performance in Match 8

(22, 8, 2, 0, 3, 1), -- Player 2's performance in Match 8

(23, 8, 3, 67, 1, 0), -- Player 3's performance in Match 8

(24, 9, 4, 45, 0, 1), -- Player 4's performance in Match 9

(25, 9, 5, 0, 2, 0), -- Player 5's performance in Match 9

(26, 9, 6, 78, 1, 2), -- Player 6's performance in Match 9

(27, 10, 7, 0, 0, 2), -- Player 7's performance in Match 10

(28, 10, 8, 56, 1, 0), -- Player 8's performance in Match 10

(29, 10, 9, 0, 3, 1), -- Player 9's performance in Match 10

(30, 11, 10, 102, 0, 1),-- Player 10's performance in Match 11

(31, 11, 11, 23, 1, 0), -- Player 11's performance in Match 11

(32, 11, 12, 0, 2, 1), -- Player 12's performance in Match 11

(33, 12, 13, 67, 0, 0), -- Player 13's performance in Match 12

(34, 12, 14, 0, 1, 0), -- Player 14's performance in Match 12

(35, 12, 15, 45, 2, 1), -- Player 15's performance in Match 12

(36, 13, 16, 0, 0, 2), -- Player 16's performance in Match 13

(37, 13, 17, 88, 1, 0), -- Player 17's performance in Match 13

(38, 13, 18, 56, 0, 1), -- Player 18's performance in Match 13

(39, 14, 19, 0, 1, 0), -- Player 19's performance in Match 14

(40, 14, 20, 34, 0, 2), -- Player 20's performance in Match 14

(41, 14, 1, 56, 2, 0), -- Player 1's performance in Match 14

(42, 15, 2, 0, 0, 2), -- Player 2's performance in Match 15

(43, 15, 3, 78, 1, 1), -- Player 3's performance in Match 15

(44, 15, 4, 56, 0, 0), -- Player 4's performance in Match 15

(45, 16, 5, 0, 2, 1), -- Player 5's performance in Match 16

(46, 16, 6, 102, 1, 0), -- Player 6's performance in Match 16

(47, 16, 7, 45, 0, 1), -- Player 7's performance in Match 16

(48, 17, 8, 78, 1, 0), -- Player 8's performance in Match 17

(49, 17, 9, 0, 0, 2), -- Player 9's performance in Match 17

(50, 17, 10, 56, 2, 1), -- Player 10's performance in Match 17

(51, 18, 1, 89, 0, 1), -- Player 1's performance in Match 18

(52, 18, 2, 0, 2, 0), -- Player 2's performance in Match 18

(53, 18, 3, 34, 1, 0), -- Player 3's performance in Match 18

(54, 18, 4, 77, 1, 1), -- Player 4's performance in Match 18

(55, 18, 5, 0, 0, 2), -- Player 5's performance in Match 18

(56, 18, 6, 56, 0, 1), -- Player 6's performance in Match 18

(57, 18, 7, 0, 1, 0), -- Player 7's performance in Match 18

(58, 18, 8, 78, 2, 1), -- Player 8's performance in Match 18

(59, 18, 9, 102, 0, 0), -- Player 9's performance in Match 18

(60, 18, 10, 45, 1, 0), -- Player 10's performance in Match 18

(61, 19, 11, 23, 0, 0), -- Player 11's performance in Match 19

(62, 19, 12, 67, 2, 1), -- Player 12's performance in Match 19

(63, 19, 13, 0, 1, 0), -- Player 13's performance in Match 19

(64, 19, 14, 45, 0, 1), -- Player 14's performance in Match 19

(65, 19, 15, 0, 3, 0), -- Player 15's performance in Match 19

(66, 19, 16, 78, 0, 0), -- Player 16's performance in Match 19

(67, 19, 17, 0, 2, 1), -- Player 17's performance in Match 19

(68, 19, 18, 34, 1, 0), -- Player 18's performance in Match 19

(69, 19, 19, 56, 0, 1), -- Player 19's performance in Match 19

(70, 19, 20, 0, 0, 2), -- Player 20's performance in Match 19

(71, 20, 1, 102, 0, 1), -- Player 1's performance in Match 20

(72, 20, 2, 23, 1, 0), -- Player 2's performance in Match 20

(73, 20, 3, 0, 2, 1), -- Player 3's performance in Match 20

(74, 20, 4, 67, 0, 0), -- Player 4's performance in Match 20

(75, 20, 5, 45, 1, 0), -- Player 5's performance in Match 20

(76, 20, 6, 88, 0, 1), -- Player 6's performance in Match 20

(77, 20, 7, 0, 3, 0), -- Player 7's performance in Match 20

(78, 20, 8, 20, 1, 0), -- Player 8's performance in Match 20

(79, 20, 9, 56, 0, 1), -- Player 9's performance in Match 20

(80, 20, 10, 0, 0, 2); -- Player 10's performance in Match 20

---------------------------------( WINNER table )-----------------------------------

CREATE TABLE WINNER (

Match\_ID INT PRIMARY KEY,

Winning\_Team\_ID INT,

FOREIGN KEY (Match\_ID) REFERENCES MATCH(Match\_ID),

FOREIGN KEY (Winning\_Team\_ID) REFERENCES TEAM(Team\_ID)

);

INSERT INTO WINNER (Match\_ID, Winning\_Team\_ID)

VALUES

(1, 1), -- Match 1 winner: Karachi Kings

(2, 4), -- Match 2 winner: Peshawar Zalmi

(3, 5), -- Match 3 winner: Quetta Gladiators

(4, 1), -- Match 4 winner: Karachi Kings

(5, 2), -- Match 5 winner: Lahore Qalandars

(6, 4), -- Match 6 winner: Peshawar Zalmi

(7, 6), -- Match 7 winner: Multan Sultans

(8, 3), -- Match 8 winner: Islamabad United

(9, 1), -- Match 9 winner: Karachi Kings

(10, 6), -- Match 10 winner: Multan Sultans

(11, 4), -- Match 11 winner: Peshawar Zalmi

(12, 1), -- Match 12 winner: Karachi Kings

(13, 3), -- Match 13 winner: Islamabad United

(14, 6), -- Match 14 winner: Multan Sultans

(15, 1), -- Match 15 winner: Karachi Kings

(16, 2), -- Match 16 winner: Lahore Qalandars

(17, 6), -- Match 17 winner: Multan Sultans

(18, 1), -- Match 18 winner: Karachi Kings

(19, 4), -- Match 19 winner: Peshawar Zalmi

(20, 6); -- Match 20 winner: Multan Sultans

SELECT COUNT(WINNER.Winning\_Team\_ID) FROM WINNER

GROUP BY WINNER.Winning\_Team\_ID

SELECT \* FROM TEAM

SELECT \* FROM PLAYER

SELECT \* FROM STADIUM

SELECT \* FROM MATCH

SELECT \* FROM WINNER

SELECT \* FROM PERFORMANCE

--Q3--

SELECT CONCAT(Home\_Stadium, ' in ',Name) AS Home\_Stadium

FROM TEAM;

--Q4--

SELECT STADIUM.Name, STADIUM.Capacity FROM STADIUM

-- SELECT STADIUM.Name, STADIUM.Capacity FROM STADIUM WHERE NAME='FOR SPECIFIC'