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**Instructions: open MySQLWorkbech and do the following instructions.**

1. Create a database named Games.
2. Create a table named team with id\_team interger auto increment as the primary key, team\_name alphanumeric (20), number\_team interger (3) ,phone\_number interger (11) and city alphanumeric (20).
3. Create a table named players with id\_member interger auto increment as the primary key, name alphanumeric (20), number interger (20), age interger and phone\_number interger (11).
4. Create a table named coach with id\_coach interger auto increment as the primary key, coach\_name alphanumeric (20),age interger and phone\_number interger (11).
5. Create a table named stadium with id\_stadium interger auto increment as the primary key, stadium\_name alphanumeric (20), address alphanumeric (30) and capacity interger.
6. Create a table named schedules with id\_schedule interger auto increment as the primary key, date\_game, team\_name alphanumeric (20).
7. Set the foreing key of the table members with team.
8. Set the foreing key of the table team with coach.
9. Set the foreing key of the table schedules with stadium.
10. Set the foreing key of the table team with schedules.
11. Enter 5 different teams.
12. Enter 13 players.
13. Enter 6 different coach.
14. Enter 3 different stadiums.
15. Enter 4 different schedules.
16. Delete the phone\_number colum from team.
17. Show the name and the age from the table coach (using between).
18. Show the name and the number team descending (using order by).
19. Show the distinct ages from the table members (using distinct).
20. Show the number of teams in each city (using group by).

CREATE DATABASE Games;

USE Games;

CREATE TABLE team(

id\_team int auto\_increment PRIMARY KEY,

team\_name varchar (20),

number\_team int (3),

phone\_number int (11),

city varchar (20)

);

CREATE TABLE players(

id\_player int auto\_increment PRIMARY KEY,

player\_name varchar (20),

number\_player int (20),

age int,

phone\_number int (11)

);

CREATE TABLE coach(

id\_coach INT PRIMARY KEY AUTO\_INCREMENT,

coach\_name varchar (20),

age int,

phone\_number int (11)

);

CREATE TABLE stadium(

id\_stadium INT PRIMARY KEY AUTO\_INCREMENT,

stadium\_name varchar (20),

address varchar (30),

capacity int

);

CREATE TABLE schedules (

id\_schedule INT PRIMARY KEY AUTO\_INCREMENT,

date\_game DATE,

team\_name varchar (20)

);

ALTER TABLE team

ADD CONSTRAINT fk\_team\_member

FOREIGN KEY (id\_team)

REFERENCES players(id\_player);

ALTER TABLE coach

ADD CONSTRAINT fk\_team\_coach

FOREIGN KEY (id\_coach)

REFERENCES team (id\_team);

ALTER TABLE stadium

ADD CONSTRAINT fk\_stadium\_schedule

FOREIGN KEY (id\_stadium)

REFERENCES schedules (id\_schedule);

ALTER TABLE schedules

ADD CONSTRAINT fk\_team\_schedules

FOREIGN KEY (id\_schedule)

REFERENCES team (id\_team);

INSERT INTO team (team\_name, number\_team, phone\_number, city)

VALUES ('Rojo', 10, 65312345, 'San Luis');

INSERT INTO team (team\_name, number\_team, phone\_number, city)

VALUES ('Azul', 20, 65365432, 'San Luis');

INSERT INTO team (team\_name, number\_team, phone\_number, city)

VALUES ('Verde', 30, 65344253, 'San Luis');

INSERT INTO team (team\_name, number\_team, phone\_number, city)

VALUES ('Negro', 40, 65363521, 'San Luis');

INSERT INTO team (team\_name, number\_team, phone\_number, city)

VALUES ('Blanco', 50, 65421536, 'San Luis');

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('A', 100, 20, 65398765);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('B', 200, 21, 65398784);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('C', 101, 20, 65398775);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('D', 300, 20, 65398798);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('E', 102, 22, 65398712);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('F', 10, 20, 653987676);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('G', 1, 20, 65398791);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('H', 99, 22, 65398768);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('I', 500, 22, 65398768);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('J', 666, 20, 65398712);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('K', 777, 20, 65398768);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('L', 222, 19, 65398795);

INSERT INTO players (player\_name, number\_player, age, phone\_number)

VALUES ('M', 584, 20, 65398758);

INSERT INTO coach (coach\_name, age, phone\_number)

VALUES ('A1', 40, 65397601);

INSERT INTO coach (coach\_name, age, phone\_number)

VALUES ('B2', 50, 65398702);

INSERT INTO coach (coach\_name, age, phone\_number)

VALUES ('C3', 37, 65987603);

INSERT INTO coach (coach\_name, age, phone\_number)

VALUES ('D4', 17, 65397604);

INSERT INTO coach (coach\_name, age, phone\_number)

VALUES ('E5', 63, 65398765);

INSERT INTO coach (coach\_name, age, phone\_number)

VALUES ('F6', 56, 65987606);

INSERT INTO stadium (stadium\_name, address, capacity)

VALUES ('I', 'Street 1', 5000);

INSERT INTO stadium (stadium\_name, address, capacity)

VALUES ('II', 'Street 10', 4000);

INSERT INTO stadium (stadium\_name, address, capacity)

VALUES ('III', 'Street 100', 10000);

INSERT INTO schedules (date\_game, team\_name)

VALUES ('2022-6-02', 'Rojo' );

INSERT INTO schedules (date\_game, team\_name)

VALUES ('2022-6-05', 'Azul' );

INSERT INTO schedules (date\_game, team\_name)

VALUES ('2022-6-10', 'Verde' );

INSERT INTO schedules (date\_game, team\_name)

VALUES ('2022-6-16', 'Negro' );

ALTER TABLE team

DROP phone\_number;

SELECT coach\_name, age

FROM coach

WHERE age BETWEEN 25 AND 70;

SELECT team\_name, number\_team

FROM team

ORDER BY id\_team DESC;

SELECT DISTINCT age

FROM players;

SELECT COUNT(id\_team), city

FROM team

GROUP BY city;