**Guided practice**

**Is about:**

* **ligatercera** database **.**

**Goals:**

* Insert rows into tables according to the required requirements.
* Modify data in tables according to the required requirements.
* Delete data in table according to the required requirements.

**Exercises**

The exercises in this activity are carried out based on **ligatercera data .**

1.- Eliminate all the matches from the second round rounds (rounds with a number greater than 19).

**DELETE FROM matches WHERE matchday num >=19;**

2.- Add all the matches of matchday 20 to the table of matches. The matches of matchday 20 face the same teams as the matches of matchday 1, changing the home team for the visitor and the visitor for the home team. The matches of matchday 20 are scheduled to be played on January 7, 2018.

**INSERT INTO matches( daynum,matchnum ,eqloc,eqvis,date )**

**SELECT 20, partynum,eqvis ,eqloc,'2018-01-07'**

**FROM matches**

**WHERE numday =1;**

3.- Add all the matches of the second round starting on matchday 21 to the match table. The matches of a matchday are generated from the matches 19 previous matchdays, changing the home team for the visitor and vice versa. The date of each match will be left null.

**INSERT INTO matches ( daynum,matchnum ,eqloc,eqvis )**

**SELECT numday+19, nummatch , eqvis,eqloc**

**FROM matches**

**WHERE numday <=19 AND numday >=2;**

4.- Modify the classification table so that the number of matches won and tied by each team has that information obtained from the match table.

**UPDATE classification**

**SET pg =**

**(SELECT count ( \*) FROM matches WHERE eqloc = codeq AND golsloc > golvis )**

**+( SELECT count (\*) FROM matches WHERE eqvis = codeq AND golsloc < golsvis ),**

**pe = (SELECT count ( \*) FROM matches WHERE eqloc = codeq AND golsloc = golvis )**

**+( SELECT count (\*) FROM matches WHERE eqvis = codeq AND golsloc = golvis );**

5.- Modify the classification table so that each team has the points it has in the classification. It must be taken into account that for each game won a team has three points and for each game tied one point.

**UPDATE classification SET points = pg \*3+pe\*1;**

6.- Add a row to the goals table to indicate that in the match between Velarde Camargo CF and SD Laredo, player number 33 scored a goal in the 32nd minute of the first half.

**INSERT INTO goals ( day, numgame , period, minute, pp, player )**

**SELECT numday, nummatch ,1,32,false,33**

**FROM matches INNER JOIN teams AS a ON eqloc = a.codeq**

**INNER JOIN teams AS b ON eqvis = b.codeq**

**WHERE a.name = 'Velarde Camargo CF' AND b.name = 'SD Laredo';**

7.- Modify the goal that has the highest value in the **numfila column** to indicate that it was marked by the player alias **Manu** of SD Laredo.

*Solution with a subquery that obtains the maximum value of numrow*

**UPDATE goals**

**SET player =**

**(SELECT numjug FROM players INNER JOIN teams ON codeq =team WHERE alias='Manu' AND teams.name = 'SD Laredo')**

**WHERE numrow = (SELECT ta FROM (SELECT max ( numrow ) AS a FROM goals ) AS t) ;**

*Much simpler using ORDER BY and LIMIT to control how many rows the UPDATE is performed on*

**UPDATE goals**

**SET player =**

**(SELECT numjug FROM players INNER JOIN teams ON codeq =team WHERE alias='Manu' AND teams.name = 'SD Laredo')**

**ORDER BY numrow DESC LIMIT 1;**

8.- Add a row to the goals table to indicate that in game 9 of matchday 5 David Vinatea scored a goal in the 44th minute of the first half.

**INSERT INTO goals (matchday, matchnumber , period, player, minute )**

**SELECT 5,9, 1,numjug ,44**

**FROM players**

**WHERE first name='David' AND last name=' Vinatea ';**

Adrian from the goals table Gonzalez Marcos in matches prior to matchday 5.

**DELETE goals**

**FROM goals INNER JOIN players ON numjug =player**

**WHERE name=' Adrian ' AND surname = ' Gonzalez Marcos' AND day<=5;**

10.- Obtain a list of all the matches in which the goals registered in the matches table do not match those registered in the goals table.

*Keep in mind that to obtain how many goals are registered in the GOALS table for all matches, including those that do not have goals registered in that table, you must make a LEFT JOIN between matches and goals like the following:*

**SELECT matches.\* FROM matches LEFT JOIN goals ON**

**nummatch = matchday AND goals.matchnumber = matches.matchnumber**

**GROUP BY numjornada,partidos .numpartido**

**HAVING goalsloc+golesvis <> count ( rownum );**