**Learning Activity 4-08**

**Is about:**

* Perform SELECT queries on table join operations in the ligatercera database **.**

**Goals:**

* Edit and execute SELECT statements on table joins using INNER JOIN.
* Edit and execute SELECT statements on Cartesian product combinations.
* Compare the execution of instructions with Cartesian product or with INNER JOIN.
* Establish selection conditions on queries applied to table combinations.

**Exercises**

1.- Obtain the names, surnames and aliases of the players on the team named **SD** **SHIELD TEXTILE** creating a Cartesian product between the players and teams’ tables.

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2.- Obtain the result of the complete Cartesian product between the teams table and the teams table itself. You have to rename both tables.

3.- Regarding the previous query, establish that in the result there is a column with the name of the local team and another with the name of the visiting team and that in each row the team cannot be repeated, that is, that the name of the team home team cannot be the same as the name of the visiting team.

How would you get the same result using INNER JOIN?

4.- Obtain the data of all the goalkeepers in the league along with the name of the teams they play for.

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5.- Obtain the classification data by writing the name of each team and not its code. The classification must be ordered descending by points and, with equal points, by goal difference.

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6.- Obtain the classification data of the top four finishers in the league, writing the name of each team and not its code.

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7.- Obtain the classification data of the teams from Torrelavega, Santander or Laredo, writing the name of each team and not its code.

8.- Obtain the results that **Club Deportivo Cayón has obtained** playing at home.

9.- Of all the players who have scored a goal, obtain the name of the player, the name of the team, the matchday and whether or not they scored an own goal.

10.- Obtain the results of the games played in August, writing the names of the teams and not their codes.