

Database Design Project

Oracle Baseball League Store Database

Project Scenario:

You are a small consulting company specializing in database development. You have just been awarded the contract to develop a data model for a database application system for a small retail store called Oracle Baseball League (OBL).

The Oracle Baseball League store serves the entire surrounding community selling baseball kit. The OBL has two types of customer, there are individuals who purchase items like balls, cleats, gloves, shirts, screen printed t-shirts, and shorts. Additionally customers can represent a team when they purchase uniforms and equipment on behalf of the team.

Teams and individual customers are free to purchase any item from the inventory list, but teams get a discount on the list price depending on the number of players. When a customer places an order we record the order items for that order in our database.

OBL has a team of three sales representatives that officially only call on teams but have been known to handle individual customer complaints.

Section 6 Lesson 8 Exercise 1: Sorting Data Using ORDER BY

Use the ORDER BY Clause to Sort SQL Results (S6L8 Objective 1)

In this exercise you will sort the order of the data that is returned in your query by adding an ORDER BY clause to the end of your SELECT statement.

- 1. Display the team name and number of players alphabetically in order of team name. Use an appropriate alias for your column headings.
- 2. Display the team name and number of players in descending order of number of players. Use an appropriate alias for your column headings.
- 3. Display the team name and number of players alphabetically in order of team name. Use Team Name for the name alias and Players for the number of players. Sort the output in descending order of name using the alias in the ORDER BY clause.

Part 1: 1 SELECT MAME AS Leam name, Number of Players PROM Leams ORDER BY MAME, 2 SELECT MAME AS Leam name, Number of Players AS Leam num player FROM Leams ORDER BY NUMBER OF PLAYERS DESC; 3 SELECT MAME "Team Mome", NUMBER OF PLAYERS Players" FROM Leams ORDER BY MAME, NUMBER OF PLAYERS ORDER BY MAME, NUMBER OF PLAYERS DESC;	1. SELECT NAME AS team name, Number of Players PROM teams ORDER BY NAME 2. SELECT NAME AS team name, Number of Players PROM teams ORDER BY NUMBER OF PLAYERS ORDER BY NUMBER OF PLAYERS 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams						
FROM teams ORDER BY NAME, 2. SELECT NAME AS team name, HUMBER OF PLAYERS AS team num player FROM teams ORDER BY HUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS FROM teams	FROM teams DRDER BY NAME 2. SELECT NAME AS team_name, NUMBER OF PLAYERS AS team_num_player FROM teams DRDER BY NUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams	6	ut 1:				
FROM teams ORDER BY NAME 2. SELECT NAME AS team name, NUMBER OF PLAYERS AS team num player FROM teams ORDER BY NUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams	FROM teams ORDER BY NAME SELECT NAME AS team_name, NUMBER_OF_PLAYERS PROM teams ORDER BY NUMBER_OF_PLAYERS DESC; SELECT NAME "Team Name", NUMBER_OF_PLAYERS FROM teams Team Name "Number OF PLAYERS DESC; TROWN teams						
FROM teams ORDER BY NAME 2. SELECT NAME AS team name, NUMBER OF PLAYERS AS team num player FROM teams ORDER BY NUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams	FROM teams ORDER BY NAME SELECT NAME AS team_name, NUMBER_OF_PLAYERS PROM teams ORDER BY NUMBER_OF_PLAYERS DESC; SELECT NAME "Team Name", NUMBER_OF_PLAYERS FROM teams Team Name "Number OF PLAYERS DESC; TROWN teams	1	. SELECT	HAME AS	team now	me Humber	OF PLAYERS
FROM teams ORDER BY NAME 2. SELECT NAME AS team name, NUMBER OF PLAYERS AS team num player FROM teams ORDER BY NUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams	FROM teams ORDER BY HAME 2. SELECT NAME AS team name, Humber OF PLAYERS AS team num-player FROM teams ORDER BY HUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams			AS team	_num_player	- '	
ORDER BY NAME 2. SELECT NAME AS team name, Number OF PLAYERS AS team num-player FROM teams ORDER BY NUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams	ORDER BY HAME 2. SELECT HAME AS team_name, Humber of Players AS team_num_player FROM teams ORDER BY HUMBER_OF PLAYERS DESC; 3. SELECT HAME "Team Name", NUMBER_OF_PLAYERS "Players" FROM teams				9		
ORDER BY NAME 2. SELECT NAME AS team name, Number OF PLAYERS AS team num-player FROM teams ORDER BY NUMBER OF PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams	ORDER BY HAME 2. SELECT HAME AS team name, Humber OF PLAYERS AS team num player FROM teams ORDER BY HUMBER OF PLAYERS DESC; 3. SELECT HAME "Team Name", NUMBER OF PLAYERS "Players" FROM teams		FROM	teams			
2. SELECT NAME AS team name, NUMBER OF PLAYERS AS team _ num_player FROM teams ORDER BY NUMBER_OF_PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER_OF_PLAYERS "Players" FROM teams	2. SELECT NAME AS team_name, NUMBER OF_PLAYERS AS team_num_player FROM teams ORDER BY NUMBER_OF_PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER_OF_PLAXERS "Players" FROM teams						
FROM teams FROM teams ORDER BY HUMBER_OF_PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER_OF_PLAYERS "Players" FROM teams	FROM team_num_player FROM teams ORDER BY NUMBER_OF_PLAXERS DESC; 3-SELECT NAME "Team Name", NUMBER_OF_PLAXERS "Players" FROM teams						
FROM teams FROM teams ORDER BY HUMBER_OF_PLAYERS DESC; 3. SELECT NAME "Team Name", NUMBER_OF_PLAYERS "Players" FROM teams	FROM team_num_player FROM teams ORDER BY NUMBER_OF_PLAXERS DESC; 3-SELECT NAME "Team Name", NUMBER_OF_PLAXERS "Players" FROM teams	2	SELECT	NAME AS	team par	ne Humber	OF PLAYERS
FROM HOMS ORDER BY HUMBER_OF_PLAYERS DESC; 3. SELECT HAME "Team Mame", NUMBER_OF_PLAYERS "Players" FROM HOMS	FROM teoms ORDER BY NUMBER OF PLAXERS DESC; 3. SELECT NAME "Teom Mome", NUMBER OF PLAXERS "Players" FROM teoms			AS teams	num player		
ORDER BY HUMBER_OF_PLAYERS DESC; 3. SELECT HAME "Team Mame", NUMBER_OF_PLAYERS "Players" FROM teams	ORDER BY NUMBER_OF_PLAXERS DESC; 3. SELECT MAME "Team Mame", NUMBER_OF_PLAXERS "Players" FROM teams						
ORDER BY HUMBER_OF_PLAYERS DESC; 3. SELECT HAME "Team Mame", NUMBER_OF_PLAYERS "Players" FROM teams	ORDER BY NUMBER_OF_PLAXERS DESC; 3. SELECT NAME "Team Name", NUMBER_OF_PLAXERS "Players" FROM teams		FROM	teams.			
3. SELECT NAME "Team Mame", NUMBER_OF_PLAXERS "Players" FROM teams	3. SELECT NAME "Teom Nome", NUMBER_OF_PLAXERS "Players" FROM teoms		ORDER	BY Num	are of F	PLAYERS DE	SC:
FRUM teams	FROM teams						
FRUM teams	FROM teams	2	CELECT	N O POE	Team Hame"	NUMBER	OF PLAXERS
FRUM teams	FROM teams		SCCC ("Planes"			
FROM LEOMS ORDER BY NAME, NUMBER_OF PLAXERS DESC;	FRUM LEOMS DEDER BY NAME, NUMBER_OF PLAYERS DESC,			1			
ORDER BY NAME, NUMBER_OF PLAYERS DESC;	ORDER BY NAME, NUMBER_OF PLAYERS DESC,						
			T 0 cano	1			
			FROM	Heoms	: Number	OF DI AXERS	N DESC.
			ORDER	BY NAME	Number_	of player!	DESC;
			CROER	BY NAME	Number_	OF PLAXERS	DESC;
			CEDER	BY NAME	Number_	of plaxers	DESC;
			CRDER	Heoms By NAME	Number_	of plaxers	DESC;
			CEDER	BY NAME	Number_	OF PLAXERS	DESC;
			OBDEB	BY NAME	Number_	OF PLAYERS	DESC;
			CEDER	BY NAME	Number	OF PLAXERS	DESC;
			CEDER	BY NAME	Number_	OF PLAYERS	DESC;
			CRDER	BY NAME	Number	OF PLAXERS	DESC;
			CEDEB	BY NAME	Number	OF PLAXERS	DESC;
			CRDER	Heoms By NAME	Number	OF PLAXERS	DESC;
			CEDEB	Heoms NAME	Number	OF PLAXERS	DESC;
			CROER	BY NAME	Number	OF PLAXERS	DESC;
			CEDER	BY NAME	Number	OF PLAXERS	DESC;
			CROER	Heoms NAME	Number	OF PLAXERS	DESC;
			PROM	Heoms NAME	Number	OF PLAXERS	DESC;
			CROER	Heoms NAME	Number	OF PLAXERS	DESC;