



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF COMPUTING
SESSION 2023/2024, SEMESTER 3
SECD2523 - DATABASE
SECTION 10

SQL LAB 3 - DML2 PART5

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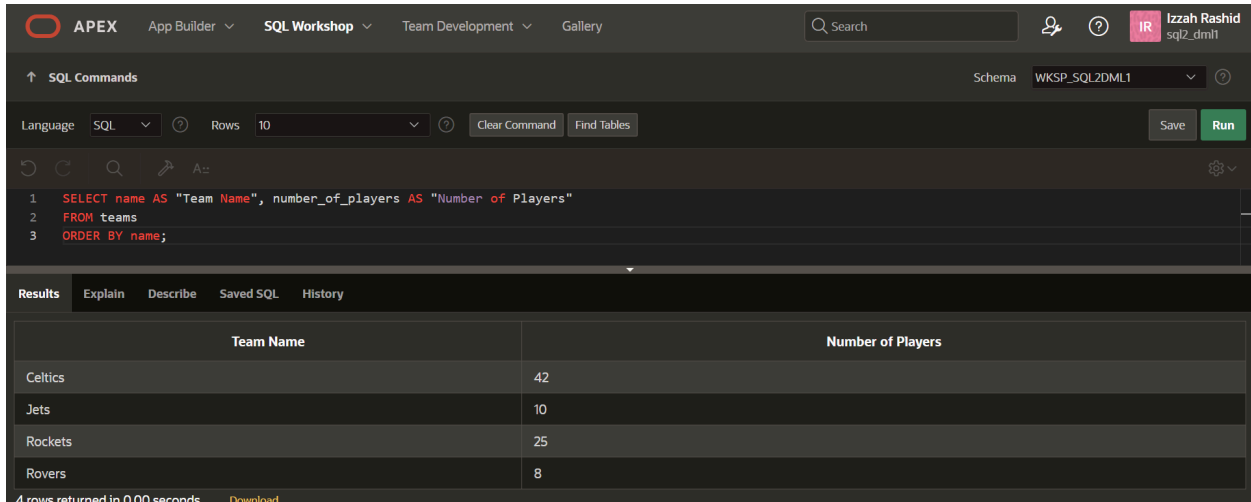
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Section 6 Lesson 8 Exercise 1: Sorting Data Using ORDER BY

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.



The screenshot shows the APEX SQL Workshop interface. The SQL command entered is:

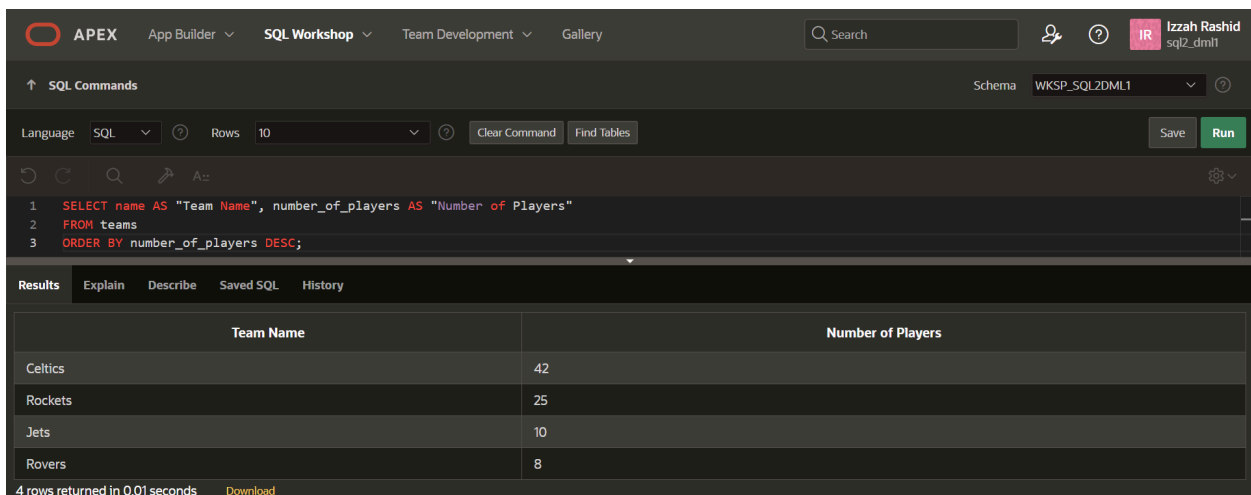
```
1 SELECT name AS "Team Name", number_of_players AS "Number of Players"
2 FROM teams
3 ORDER BY name;
```

The results are displayed in a table with the following data:

Team Name	Number of Players
Celtics	42
Jets	10
Rockets	25
Rovers	8

4 rows returned in 0.00 seconds

2. Display the team name and number of players in descending order of number of players. Use an appropriate alias for your column headings.



The screenshot shows the APEX SQL Workshop interface. The SQL command entered is:

```
1 SELECT name AS "Team Name", number_of_players AS "Number of Players"
2 FROM teams
3 ORDER BY number_of_players DESC;
```

The results are displayed in a table with the following data:

Team Name	Number of Players
Celtics	42
Rockets	25
Jets	10
Rovers	8

4 rows returned in 0.01 seconds

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.

The screenshot shows the APEX SQL Workshop interface. At the top, there's a navigation bar with 'APEX', 'App Builder', 'SQL Workshop', 'Team Development', and 'Gallery'. A search bar and user profile 'Izzah Rashid' are also present. Below this, the 'SQL Commands' section shows a query editor with the following SQL code:

```
1 SELECT name AS "Team Name", number_of_players AS "Number of Players"
2 FROM teams
3 ORDER BY name DESC;
```

The 'Results' tab is active, displaying a table with two columns: 'Team Name' and 'Number of Players'. The table contains four rows of data, sorted by team name in descending order.

Team Name	Number of Players
Rovers	8
Rockets	25
Jets	10
Celtics	42

At the bottom, it indicates '4 rows returned in 0.00 seconds' and provides a 'Download' link.