



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

**SECD2523
DATABASE**

SECTION 10

SQL LAB 3 - DML 2 PART 5

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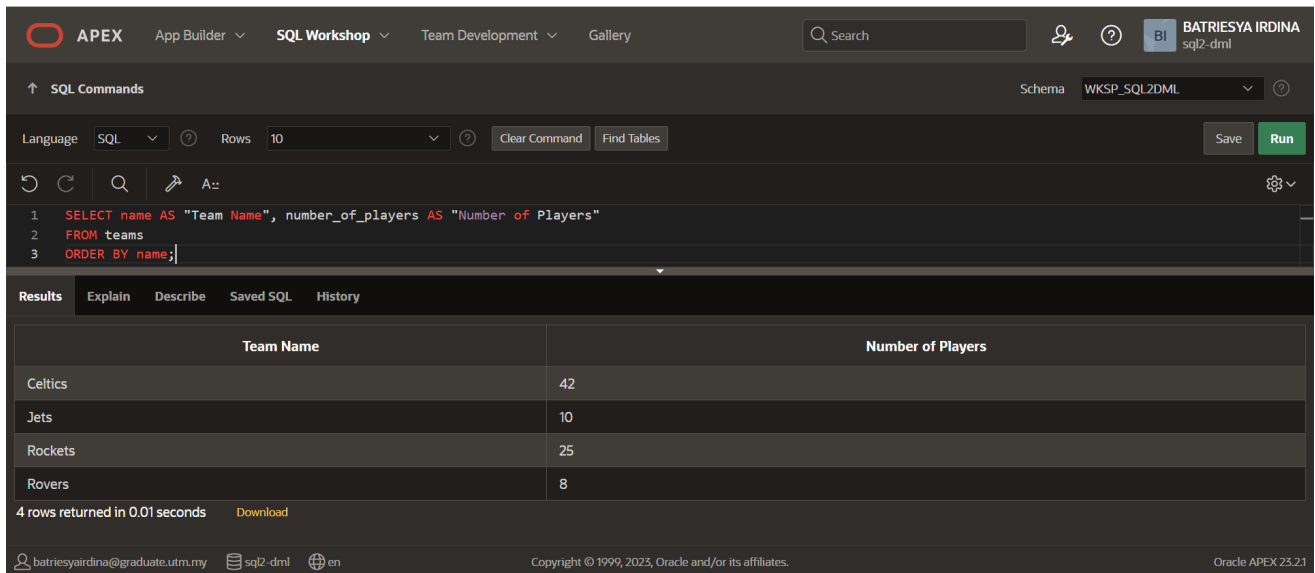
Section 6 Lesson 8 Exercise 1: Sorting Data Using ORDER BY

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.

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



The screenshot shows the Oracle 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 0.01 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.

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

Oracle APEX SQL Workshop interface showing a query execution result.

SQL Commands:

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

Results:

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.

- **SELECT name AS "Team Name", number_of_players AS "Number of Players"**
FROM teams
ORDER BY name DESC;

Oracle APEX SQL Workshop interface showing a query execution result.

SQL Commands:

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

Results:

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

4 rows returned in 0.01 seconds