**15-3\_SQL\_Trushkova\_Managing\_views**

Asks for the N largest or smallest values in a column**-TOP-N Analysis**

Removes a view**-DROP VIEW**

Subquery with an alias that can be used within a SQL statement**-INLINE VIEW**

**Try it/Solve it**

1. Create a view from the copy\_d\_songs table called view\_copy\_d\_songs that includes only the title and artist. Execute a SELECT \* statement to verify that the view exists.

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1. Issue a DROP view\_copy\_d\_songs. Execute a SELECT \* statement to verify that the view has been deleted.

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1. Create a query that selects the last name and salary from the Oracle database. Rank the salaries from highest to lowest for the top three employees.

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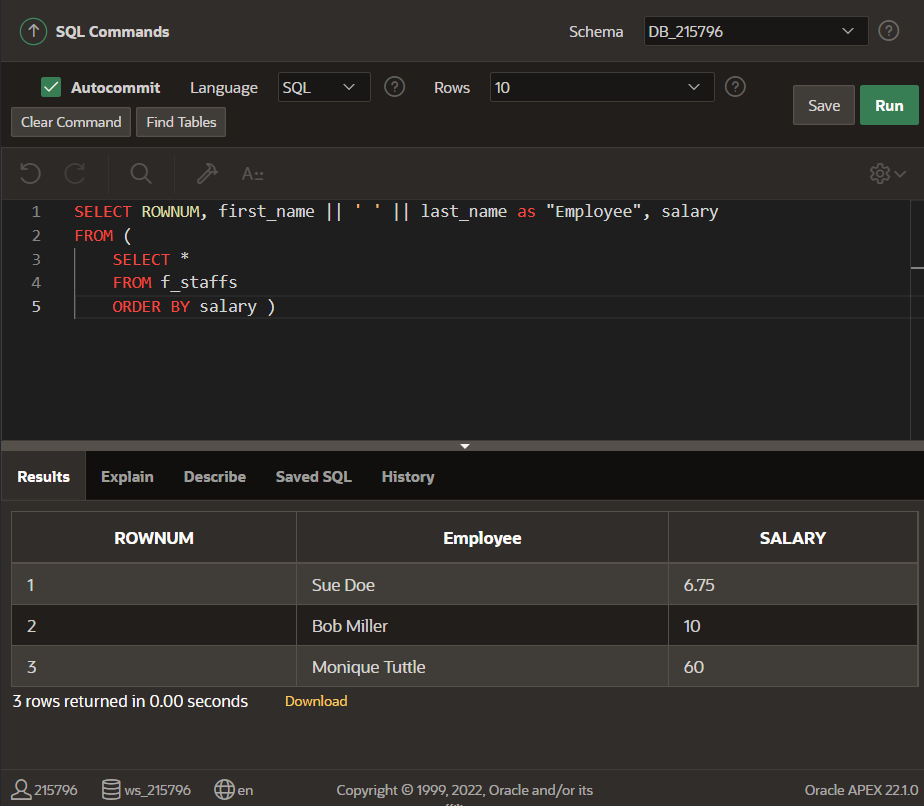
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1. Construct an inline view from the Oracle database that lists the last name, salary, department ID, and maximum salary for each department. Hint: One query will need to calculate maximum salary by department ID.

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1. Create a query that will return the staff members of Global Fast Foods ranked by salary from lowest to highest.



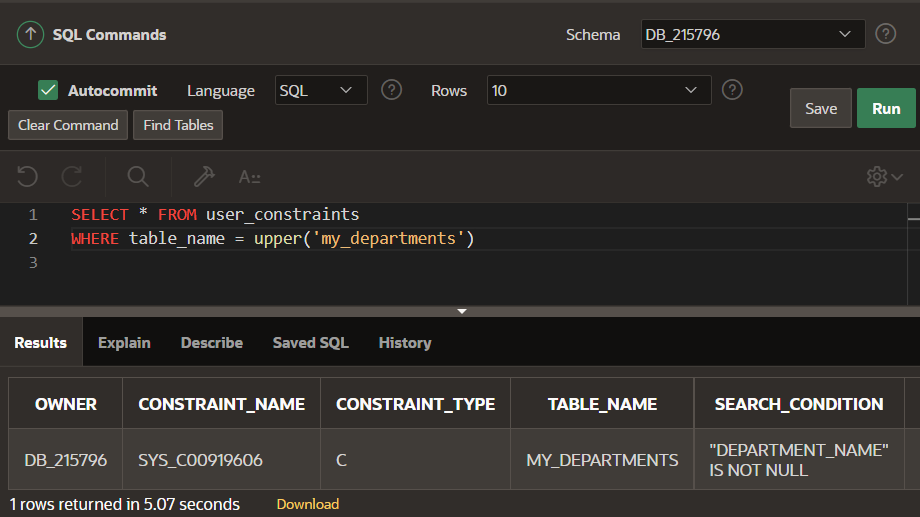
Extras:

1. Create a new table called my\_departments and add all columns and all rows to it using a subquery from the Oracle departments table. Do a SELECT \* from my\_departments to confirm that you have all the columns and rows.

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1. To view any constraints that may affect the my\_departments table, DESCRIBE my\_departments to check if any constraints were carried over from the departments table. If there are constraints on my\_departments, use an ALTER TABLE command to DISABLE all constraints on my\_departments.

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1. Create a view called view\_my\_departments that includes: department\_id and department\_name.

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1. Add the following data to the my\_departments table using view\_my\_departments.

|  |  |
| --- | --- |
| department\_id | department\_name |
| 105 | Advertising |
| 120 | Custodial |
| 130 | Planning |

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1. Create or enable the department\_id column as the primary key.

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1. Enter a new department named Human Resources into the my\_departments table using view\_my\_departments. Do not add a new department ID.

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1. Add the Human Resources department, department ID 220, to my\_departments using view\_my\_departments.
2. Verify that the new additions to my\_departments were added using view\_my\_departments.

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1. Modify view\_my\_departments to include location ID. Do a SELECT \* command to show what columns are present and a DESCRIBE command to view the columns and associated constraints.

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1. Make location\_id a NOT NULL column in the my\_departments table.

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1. Using the Oracle database, create a complex view between locations and departments with only the following columns: department\_name, street\_address, city, and state. Include only U.S. cities. Verify that the view was created using a SELECT \* statement.

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