CSD 2206 – 2022S

Student ID: 901142

Database Design & SQL

Student Name: Roshan Shrestha

CPCM Practical Activity: 10

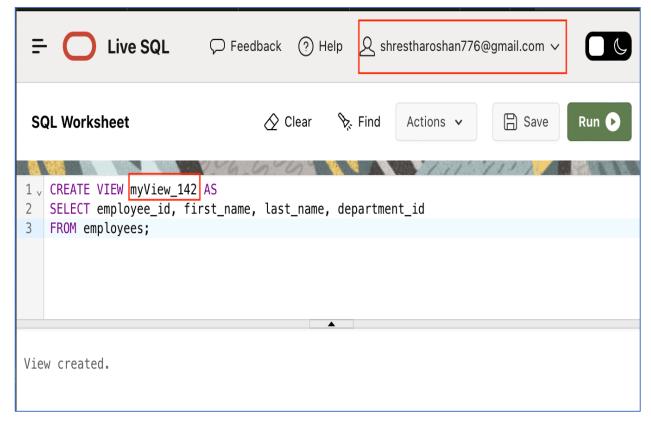
1. Create the view:

To create a table view in ORACLE we can use the below SQL query:

CREATE VIEW myView_142 AS SELECT employee_id, first_name, last_name, department_id FROM employees;

The provided SQL statement generates a virtual table called myView_142 that displays columns from the employees table (employee_id, first_name, last_name, and department_id). This makes it easy to query and retrieve this specific group of data without having to rewrite the full SELECT statement each time certain columns are required.

The output of the above query can be visualized below:

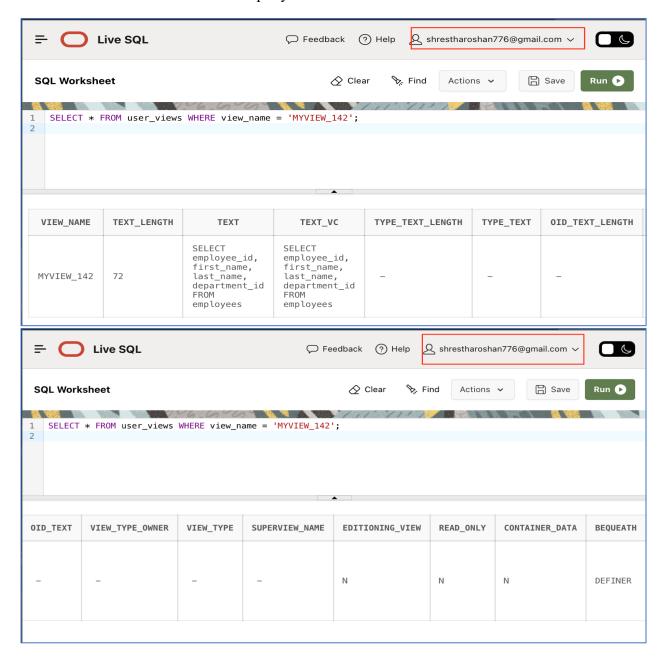


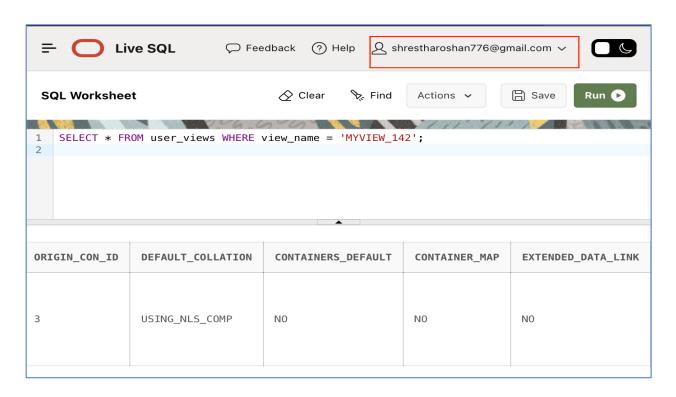
2. Show that the view is created:

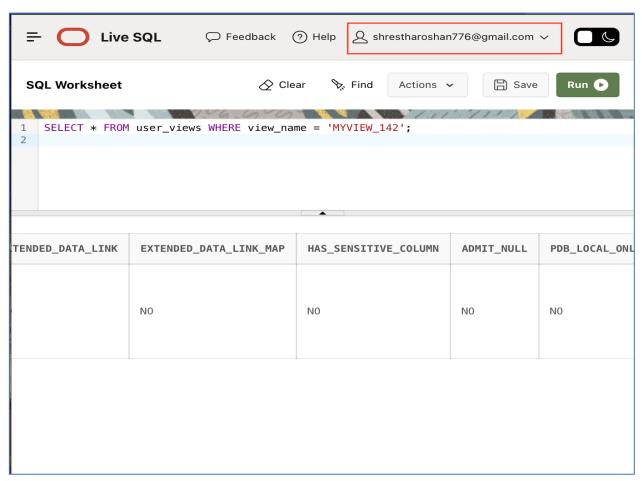
In order to visualize the view we just created above we can execute the SQL query below:

SELECT * FROM user views WHERE view name = 'MYVIEW 142';

This **SQL** statement retrieves information about views from the system's metadata. It retrieves all details (*) from the **user_views** table for which the **view_name** column is **MYVIEW_142**. It checks the database to see if a view named **MYVIEW_142** has been created. The result from the above query is shown below:







3. Run the view and show the result:

To view the data inside the create view, we can use the query below:

SELECT * FROM myView 142;

This SQL query returns all columns and rows from the myView_142 view, presenting the data that was selected and formatted when the view was created.

