**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.

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Description automatically generatedThe output of the above query can be visualized below:

1. **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';**

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Description automatically generatedThis **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:

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Description automatically generated**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;**

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Description automatically generatedThis 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.

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