**Assignment Overview: Data Warehouse Reporting**

Welcome to the Data Engineering Capstone Project.

This video will give you an overview of lesson two of the third module – Data Warehousing Reporting.

In this assignment, you will perform a couple of exercises. But before proceeding with the assignment, you will create an instance of IBM DB2 on the cloud by following the instructions given in the link provided. If you have already created a Db2 instance in previous courses, you can continue using that to perform the exercises. But you may need to clean up old tables in case your database instance is running low on space.

The first exercise requires you to load the data provided by the company into the tables in CSV format by performing a series of tasks. You will start by downloading the data from the links provided and then load the data into the DimDate table, DimCategory table, DimCountry table, and fact table FactSales. After loading the data, you will take a screenshot of the first five rows in each table and name the screenshot.

In the second exercise, you will query the loaded data by creating a grouping sets query, rollup query, and cube query using the columns Orderid, Category, and Price collected.

Finally, you will create a materialized query table (MQT) named Total\_sales\_per\_country using the country and total sales columns. After performing each task, you will take a screenshot of the SQL and the output rows and then name the screenshot.

Good luck and let’s get started!