**Assignment Overview**

Welcome to the Data Engineering Capstone Project.

This video will give you an overview of the first module - Data Platform Architecture

and OLTP Database.

In this module, you will perform three exercises with multiple tasks.

But before proceeding with the assignment, you will check the lab environment by starting the MySQL server.

The first exercise requires you to design the schema for the OLTP database by storing

data like product ID, customer ID, price, quantity, and time stamp of sales, in a sales

database.

In the second exercise, you will load this data into the OLTP database by importing the

data from the downloaded CSV file into the data table using phpMyAdmin.

Further, you will list the tables in the database. And you will also write a query to find out the count of records in the tables.

In the third and final exercise, you will set up admin tasks by creating an index on

the timestamp field and then listing the indexes on the table.

Finally, you will write a bash script that exports all the rows in the data table to

an SQL file.

After performing each task, you will take a screenshot of the command used, and the

output obtained and give a name to the screenshot.

Good luck and let’s get started!