# Assignment Title – Ecommerce Database

This assignment relates to the following Course Learning Requirements:

CLR1: Follow lab policies and procedures for etiquette, software licensing requirements and lab submissions

CLR 5: Use Data Manipulation Language (DML) to insert, update, select and delete data

CLR 8: Interact with team members to contribute to effective working relationship to achieve desired goal.

CLR 8: Plan individual and team projects, manage time to meet datelines

Situation:

After, you created the database in previous assignment the analytics team wants to know some information that could be useful for their departments and increase productivity. You will run a few commands and answer the questions to help the analytical team.

Objective of this Assignment:

In this assignment, you will run SQL commands and answer questions.

# Pre-Assignment Instructions:

1. Read Modules 5-10
2. Attempt Labs 6-8

**Assignment Tasks:**

1. Restore the ecommerce database assignment2.sql
2. Answer the following questions:
3. What are the total number of customers in the database for ecommerce website?

Ans.)

1. How many distinct products categories are available in the ecommerce website?

Ans.)

1. How many shipping addresses are from Ontario?

Ans.)

1. Which payment type is most common? Cash, Credit or Debit.

Ans.)

1. How many invoices were issued in 2013?

Ans.)

1. Display everything FROM customers Inner Join shipping\_details ON shipping\_detail\_id? How many results are displayed?

Ans.)

1. Which three products (product\_id) is ordered the most by customers in customer\_product table (hint – Read Module 9, ignore the ordered\_amount column)?

Ans.)

1. What is the highest amount on the invoice? (Hint: Read Module 9)

Ans.)

1. What is the invoice no. dated 2014-03-11?(Enter the Invoice No. for answer)

Ans.)

1. Do the following:
   1. Insert a customer Jake Smith who’s shipping address is “yknhl fr hluhw” and people can reach him at ‘1236548780’ & ‘jakesmith@email.com’ (use a sub query to get the address from shipping\_details table, direct insertion of address will be marked incorrect).
   2. Update the amount for invoice no. “279971” from ‘104’ to “147”.
   3. Delete the customer with email [gndyvdijgw@email.com](mailto:gndyvdijgw@email.com) (After doing this step, if you try repeating the assignment you will get incorrect answers so re-import the database).

**Assignment Submission:**

1. From step 2, copy the questions from the assignment on the notepad, answer them and submit it as a answers.txt file.
2. Submit a single SQL file with all the 3 SQL statements completed in Step 3.

**Assignment Grading Rubric (10%)**

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| --- | --- |
| Answer to all questions (answers.txt) | /5 |
| SQL statements (assignment2.sql) | /5 |
| Total | /10 |
| Comments |  |
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