

CEGEP VANIER COLLEGE

Computer Science Department

420-231-VA Database (Section 3) – Teacher: Sleiman Rabah

Lab #3 – SQL JOINS

Learning Objectives

- Using the *SELECT SQL* statement to retrieve data from relational DB tables.
- Using various clauses for filtering, ordering, and sorting data.
- Retrieving data from one or more tables through SQL Joins.

Constraints

- This is an **individual** lab; collaboration is not allowed.
- You should familiarize yourself with the [Cheating and Plagiarism Policy](#)

Overview & Instructions

In this lab, you are asked to write *SQL* queries that answer the questions listed below.

What Needs to Be Done

A) Create and populate required tables

Populate the tables with data by executing the provided *.sql* scripts.

B) SQL Queries to Be Written:

NOTE:

- I. Before answering the following questions, you must have a look at the structure of the tables you created in **Part A**).
- II. Depending on the type of the query, your query must output at least **4 important attributes**.

Write *SQL* queries that answer the following:

- 1) List all products that are stored in New Jersey.
- 2) List all orders that were placed by the customer whose ID is 45. The output of your query must include information about all the ordered products.
- 3) List the contact information of all customers.
- 4) Find all products that are provided in the Americas.

Online Resources:

- Querying, sorting, and filtering data: <https://www.oracletutorial.com/oracle-basics/>
- [Join Queries in Oracle](#)

What to Submit:

Submit your lab in a compressed (.zip) file that should include:

- 1) An SQL script (*.sql*) containing all your queries.

and

- 2) A PDF document containing screenshots of your queries' output.