**Lab #10: INVENTORY Queries**

**NOTE: Please write your query coding directly below each question**

**Question #1:**

List all customers (concatenate last name, first name), and balances (Cust\_Balance), for those customers

with balances not equal to zero. Sort in descending order by balance. Make sure you have inserted some non

zero values in the customer table database. For an explanation on concatenation refer section 2.11 on page 19.

**SQL Query Answer**

**SELECT (Cust\_Lname,Cust\_Fname) AS Customer\_Name,Cust\_Balance**

**FROM Customer\_T**

**WHERE Cust\_Balance != 0**

**ORDER BY Cust\_Balance DESC;**

**Question #2:**

List invoice numbers, product codes, line price, line units (quantity) and line cost (line price \* quantity) for

lines with line costs greater than $500. Sort the result in descending order by line cost. Secondary ordering

by invoice number in descending order.

**SQL Query Answer**

**SELECT Invoice\_Number,Prod\_Code,Line\_Price,Line\_Units AS Quantity,(Line\_Price\*Line\_Units) AS Line\_Cost**

**FROM Invoice\_Line\_T**

**WHERE (Line\_Price\*Line\_Units)> 500**

**ORDER BY Line\_Cost DESC, Invoice\_Number DESC;**

**Question #3:**

List product code, product description, product quantity on hand, product price and the inventory cost of

the product (price \* quantity on hand), for those products with quantity on hand greater than 50. Sort by

product description in ascending order.

**SQL Query Answer**

**SELECT Prod\_Code,Prod\_Description,Prod\_QOH,Prod\_Price,(Prod\_Price \* Prod\_QOH) AS Inventory\_Prod\_Cost**

**FROM Product\_T**

**WHERE Prod\_QOH > 50**

**ORDER BY Prod\_Description ASC;**

**Question #4:**

List customer last name, customer first name and customer balance for those customers with zero balance,

who are in Ottawa. Sort by customer last name in an ascending order.

**SQL Query Answer**

**SELECT Cust\_Lname,Cust\_Fname,Cust\_Balance**

**FROM Customer\_T**

**WHERE Cust\_Balance = 0 AND Cust\_City ='Ottawa'**

**ORDER BY Cust\_Lname ASC;**

**Question #5:**

List invoice number, product code, line units and line price for those invoice lines that have line prices greater

than $600 or less than $100. Sort line price in descending order.

**SQL Query Answer**

**SELECT Invoice\_Number,Prod\_Code,Line\_Units,Line\_Price**

**FROM Invoice\_Line\_T**

**WHERE Line\_Price >600 OR Line\_Price < 100**

**ORDER BY Line\_Price DESC**;

**Question #6:**

List customer name (concatenate First name Last name), and address for those customers who have last

names beginning with the same first letter of your family name (last name) and have customer balances

between 0 and 100 (inclusive).

**SQL Query Answer**

**SELECT Cust\_Fname,Cust\_Lname,Cust\_Balance**

**FROM Customer\_T**

**WHERE (Cust\_Balance BETWEEN 0 AND 100) AND Cust\_Lname LIKE 'S%';**

**Question #7:**

List product description, quantity on hand and product price for those products with quantity on hand equal

to 60, 70, 80, 90. Sort by quantity on hand in an ascending order.

**SQL Query Answer**

**SELECT Prod\_Description,Prod\_QOH,Prod\_Price**

**FROM Product\_T**

**WHERE Prod\_QOH IN ('60','70','80','90')**

**ORDER BY Prod\_QOH ASC;**

**Question #8:**

List product description, quantity on hand, product price and product discount for all products with null

values for product discount.

**SQL Query Answer**

**SELECT Prod\_Description,Prod\_QOH,Prod\_Price,Prod\_Discount**

**FROM Product\_T**

**WHERE Prod\_Discount IS NULL;**

**Question #9:**

List names of all cities where customers are located (city names only, not customer names). Do not repeat

any rows. Sort by city name in an ascending order.

**SQL Query Answer**

**SELECT DISTINCT Cust\_City**

**FROM Customer\_T**

**ORDER BY Cust\_City ASC;**

**Question #10:**

Match all customers who are in Ottawa using the syntax: WHERE Cust\_City = 'ottawa'; Note: ottawa is

in lowercase.

**SQL Query Answer**

**SELECT \***

**FROM Customer\_T**

**WHERE LOWER(Cust\_City) = LOWER('ottawa');**