For this assignment, write queries using SQL to acquire data about customers, vendors, products, and employees in a fictitious sales database. These queries will cover many of the core aspects of writing SQL to produce data for reporting and analyzing information. There may be multiple ways to produce the same results, but ensure you are returning the requested fields.

Using the Sales Orders database, complete the queries below.

1. Show all the information on our customers.

a. Query: SELECT \* FROM Customers;

b. Columns: 9

c. Expected Rowcount: 28

2. Show a list of states, in reverse alphabetical order, where our vendors are located, and include the names of the vendor.

a. Query: SELECT VendName, VendState FROM Vendors

ORDER BY VendState DESC;

b. Columns: 2

c. Expected Rowcount: 10

3. What if we adjusted the retail price of each product by increasing it 7 percent?

a. Query: SELECT ProductName, RetailPrice\*1.07”NewPrice” FROM products

b. Columns: 2

c. Expected Rowcount: 40

4. Show a list of orders made by each customer in ascending date order.

a. Query: SELECT OrderDate, CustomerID FROM orders

ORDER BY OrderDate ASC;

b. Columns: 2

c. Expected Rowcount:944

5.Give the names of all vendors based in Albany, Anchorage, and Dallas.

a. Query: SELECT VendName, VendCity FROM vendors

WHEREVendCity IN (‘Albany’, ‘Anchorage’, ‘Dallas’)

b. Columns: 2

c. Expected Rowcount: 3

6. Show an alphabetized list of products with a quantity on hand greater than or equal to 30.

a. Query: SELECT \* FROM products

WHERE RetailPrice > 30

ORDER BY ProductName ASC

b. Columns: 6

c. Expected Rowcount: 30

7. Show the vendors that we work with that don’t have an email address.

a. Query: SELECT VendName, VendEmailAddress from vendors

WHERE VendEmailAddress IS NULL

b. Columns: 2

c. Expected Rowcount: 4

8. List employees and the dates their orders shipped sorted by order date.

a. Query: SELECT OrderDate, ShipDate, EmployeeID FROM orders

ORDER BY OrderDate ASC

b. Columns: 3

c. Expected Rowcount: 944

9. Show the vendors and products they supply to us for products over $75 for vendors in Texas.

a. Query: SELECT vendors.VendName, products.ProductName

FROM vendors

INNER JOIN products ON vendors.productsID = products.ProductNumber

b. Columns:

c. Expected Rowcount:

10. Show employees who live in the same city and state as our vendors.

a. Query: SELECT Employees.EmpFirstName, Vendors.VendorName

FROM Employees

, INNER JOIN Vendors ON Employees.VendorName = Vendors.VendorName;

b. Columns:

c. Expected Rowcount: