IT 340

Assignment 3 100 Points

Deadline: April 8, 11 pm

Instructions:

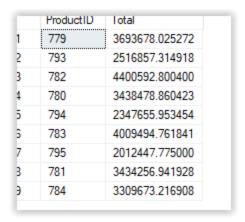
Using the AdventureWorks database in SQL Server, complete the following SQL queries (10 points each). Use the screenshot for additional guidance.

Submit the Word document in D2L. Name your document as Assignment3_IT340_YourLastName.docx. Your document should contain the SQL queries and respective screenshots for your output. 5 points will be deducted if you fail to follow the submission instructions.

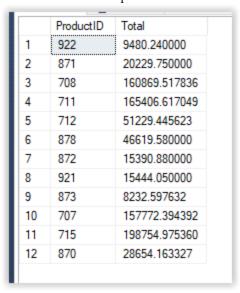
1) Write a query that groups the SalesOrderDetail table by product ID and includes only those groups of products that have orders totaling more than \$1,000,000 and whose average order quantities are less than 3.

	ProductID	AverageQuantity	Total	
1	779	2	3693678.025272	
2	793	2	2516857.314918	
3	750	1	1340419.942000	
4	773	2	1217210.359959	
5	782	2	4400592.800400	
6	753	1	1847818.628000	
7	796	1	1506377.632500	
8	776	2	1254722.732292	
9	954	2	1426372.869324	
10	771	2	1291868.700375	

2) Retrieve the products that have had total sales greater than \$2,000,000 in the Sales.SalesOrderDetail table.



3) Modify the query for question 2 to make sure there are at least one thousand five hundred items involved in the calculations for each product.



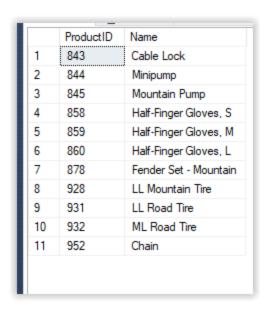
4) Find all phone numbers in the Person.PhoneNumber table that have area code 415.



5) Find all phone numbers in the Person.PhoneNumber table that have area code other than 415.



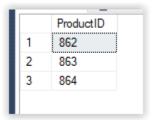
6) Return all products whose list price is between \$15 and \$25 in the Production. Product table.



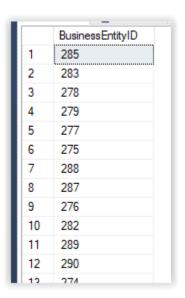
7) Using the Sales.Store table, write a query that returns only the one row in which the customer ID (BusinessEntityID) starts with the number 1 and the store name begins with Bicycle:



8) Write a query to group the rows in the SalesOrderDetail table by Product ID and eliminate products whose average order quantities are five or less.



9) Write a query to retrieve the employees who are also sales persons sing the HumanResources. Employee and Sales. Sales Person tables.



10) Using the Person.Person and HumanResources.Employee tables, retrieve the results as following output:

	JobTitle	Gender	Vacation Hours
1	Pacific Sales Manager	M	20
2	Production Technician - WC60	F	24
3	Quality Assurance Manager	M	80
4	Shipping and Receiving Supervisor	M	93
5	Production Technician - WC60	M	32
6	Database Administrator	M	67
7	European Sales Manager	F	21
8	Production Technician - WC45	M	85
9	Quality Assurance Technician	M	82
10	Facilities Manager	M	86
11	Production Technician - WC60	F	34
12	Sales Representative	F	22
13	Document Control Manager	M	77
