Chapter 7 and 8 Assignment Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Paste your query after each questions. You will use the Purchasing tables in the AdventureWorks2012 database. (Questions worth 2 points each)

1. Using the Vendor and Product Vendor tables, show the unique Vendor Account number and name for any vendor selling products 402, 403, 404, 405, 406, 407, 408. 4 rows

SELECT DISTINCT Purchasing.ProductVendor.BusinessEntityID, Purchasing.Vendor.Name

FROM Purchasing.Vendor

JOIN Purchasing.ProductVendor

ON Purchasing.Vendor.BusinessEntityID = Purchasing.ProductVendor.BusinessEntityID

WHERE ProductID IN (402, 403, 404, 405, 406, 407, 408)

2. Using the Vendor and Product Vendor tables, show the Vendor name and the product numbers they sell. 460 rows

SELECT Purchasing.ProductVendor.BusinessEntityID, Purchasing.Vendor.Name

FROM Purchasing.Vendor

JOIN Purchasing.ProductVendor

ON Purchasing.Vendor.BusinessEntityID = Purchasing.ProductVendor.BusinessEntityID

3. Using the Vendor and Product Vendor tables, show the Vendor name and the product numbers they sell for vendors with a credit rating of 5 and productid greater than 500. 4 rows

SELECT Purchasing.Vendor.Name, Purchasing.ProductVendor.ProductID

FROM Purchasing.Vendor

JOIN Purchasing.ProductVendor

ON Purchasing.Vendor.BusinessEntityID = Purchasing.ProductVendor.BusinessEntityID

WHERE Vendor.CreditRating = 5 AND ProductVendor.ProductID > 500

4. Using the PurchaseOrderHeader and PurchaseOrderDetail tables, show the purchase order number, OrderDate, purchase order detail id, order qty and product number for any purchase order with an Order qty greater than 1,000. 121 rows

SELECT PurchaseOrderDetailID, OrderDate, PurchaseOrderDetailID, OrderQty, ProductID

FROM Purchasing.PurchaseOrderHeader as H

JOIN Purchasing.PurchaseOrderDetail as D

ON H.PurchaseOrderID = D.PurchaseOrderID

WHERE D.OrderQty > 1000

5. Using the PurchaseOrderHeader and PurchaseOrderDetail tables, show the purchase order number, vendor number, purchase order detail id, product number and unit price. For purchase order numbers from 1490 to 1500. 19 rows

SELECT PurchaseOrderID, VendorID, PurchaseOrderDetailID ProductID, UnitPrice

FROM Purchasing.PurchaseOrderHeader as H

JOIN Purchasing.PurchaseOrderDetail as D

ON H.PurchaseOrderID = D.PurchaseOrderID

WHERE H.PurchaseOrderID BETWEEN 1490 AND 1500

6. Using the PurchaseOrderHeader and Shipmethod tables, show the purchase order number, ship date and ship method id for any purchase order created by Employee 256. 361 rows.

SELECT PurchaseOrderID, ShipDate, S.ShipMethodID

FROM Purchasing.PurchaseOrderHeader as H

JOIN Purchasing.ShipMethod as S

ON H.ShipMethodID = S.ShipMethodID

WHERE EmployeeID = 256

7. Using the Shipmethod table, write a query to show all fields in the table so you can find the ShipMethodid for OVERSEAS – DELUXE . Paste query here

SELECT \*

FROM Purchasing.ShipMethod

WHERE Name = 'OVERSEAS - DELUXE'

**OR**

SELECT \*

FROM Purchasing.ShipMethod

a. Using the PurchaseOrderHeader and Shipmethod tables, show the purchase order number and ship date, for any purchase orders with shipmethod of OVERSEAS – DELUXE. Use the Shipmethodid you found in the previous query. 160 rows. Paste query here.

SELECT PurchaseOrderID, ShipDate

FROM Purchasing.PurchaseOrderHeader as H

JOIN Purchasing.ShipMethod as S

ON H.ShipMethodID = S.ShipMethodID

WHERE S.ShipMethodID = 3

***Note: For the next three queries, you are going to use an alias for the tables. Also change it so you do not need to use the word JOIN or ON. If you need help, see the last page (example 4) in our course “Key Points to Reviewl” module that is “Chapter 7\_8 Key points”. Write the query using the fourth way shown on that sheet. So your first query will have the FROM statement like this:***

**FROM purchasing.Vendor v, purchasing.ProductVendor pv**

8. Using your query from Question #1 on this assignment, change the query to use table alias and remove the JOIN and ON words. Run your query and you should still get 4 rows. Paste your query here.

SELECT DISTINCT PV.BusinessEntityID, V.Name

FROM Purchasing.Vendor V, Purchasing.ProductVendor PV

WHERE ProductID IN (402, 403, 404, 405, 406, 407, 408)

9. Using your query from Question #4 on this assignment, change the query to use table alias and remove the JOIN and ON words. Run your query and you should still get 121 rows. Paste your query here.

SELECT D.PurchaseOrderID, OrderDate, PurchaseOrderDetailID, OrderQty, ProductID

FROM Purchasing.PurchaseOrderDetail D, Purchasing.PurchaseOrderHeader H

WHERE D.PurchaseOrderID = H.PurchaseOrderID

AND OrderQty > 1000

10. Using your query from Question 7a on this assignment, change the query to use table alias and remove the JOIN and ON words. Run your query and you should still get 160 rows. Paste your query here.

SELECT PurchaseOrderID, ShipDate

FROM Purchasing.PurchaseOrderHeader H, Purchasing.ShipMethod S

WHERE S.ShipMethodID = H.ShipMethodID

AND S.ShipMethodID = 3

For the next few questions, you do not write a query. You list the numbers that would be in the result set of an intersection, difference or Union.

11. Provide the intersection of the two data sets.

3, 9, 14, 22, 27, 36, 40, 46, 50

2, 5, 9, 14, 21, 26, 29, 36, 49

9, 14, 36

12. Provide the Difference of the two data sets.

3, 9, 14, 22, 27, 36, 40, 46, 50

2, 5, 9, 14, 21, 26, 29, 36, 49

2, 3, 5, 21, 22, 26, 27, 29, 40, 46, 49, 50

13. Provide the Union of the two data sets

3, 9, 14, 22, 27

2, 5, 9, 14, 21, 26

2, 3, 5, 9, 14, 21, 22, 26, 27

14. Provide the Intersection of the two data sets.

18, 40, 89, 102, 204, 501, 600

29, 89, 90, 95, 501, 702

89, 501,

15. Provide the Difference of the two data sets.

30, 41, 50, 55, 64, 70, 75, 90

50, 58, 63, 64, 75, 80

30, 41, 55, 58, 63, 70, 80, 90