1.

SELECT ProductSubcategoryID, MIN (Weight) AS MIN\_WEIGHT

FROM Production.Product

GROUP BY ProductSubcategoryID

HAVING MIN(Weight) > 150

2.

SELECT TOP 1 WITH TIES Name, StandardCost

FROM Production.Product

ORDER BY StandardCost DESC

SELECT Name, StandardCost

FROM Production.Product

WHERE StandardCost = (SELECT MAX(StandardCost) FROM Production.Product)

SELECT \*

FROM

(SELECT Name, StandardCost, RANK() OVER (ORDER BY StandardCost DESC) AS rnk

FROM Production.Product) t

WHERE rnk = 1

SELECT \*

FROM

(SELECT Name, StandardCost, MAX(StandardCost) OVER () as max\_cost

FROM Production.Product) t

WHERE StandardCost=max\_cost

3.

SELECT c.CustomerID, c.FirstName, c.LastName

FROM dim\_customer c

LEFT JOIN fact\_orders o ON c.CustomerID = o.CustomerID

AND o.Date >= DATEADD(YEAR, -1, GETDATE())

WHERE o.OrderID IS NULL

4.

SELECT p.ProductID, p.ProductName,

COUNT(o.OrderID) AS OrderCount

FROM

dlm\_product p

JOIN

fact\_orders o ON p.ProductID = o.ProductID

WHERE

o.Date >= DATEADD(YEAR, -5, GETDATE())

GROUP BY

p.ProductID, p.ProductName

ORDER BY

OrderCount DESC