Solution

Case Scenario I

1. --Q1. Which product category had the highest sales

SELECT "Product\_Category", SUM("Sales") AS Total\_Sales

FROM "KMS"

GROUP BY "Product\_Category"

ORDER BY Total\_Sales DESC

1. –Q2. What is the top 3 and bottom 3 region in terms of sales

2a. Top 3

SELECT "Region", SUM("Sales") AS Total\_Sales

FROM "KMS"

GROUP BY "Region"

ORDER BY Total\_Sales DESC

LIMIT 3

2b. Bottom 3

SELECT "Region", SUM("Sales") AS Total\_Sales

FROM "KMS"

GROUP BY "Region"

ORDER BY Total\_Sales ASC

LIMIT 3

1. –Q3. What was the total sales of appliance in Ontario

SELECT "Region", SUM("Sales") AS Total\_Sales

FROM "KMS"

WHERE "Region" = 'Ontario'

GROUP BY "Region"

1. SELECT "Customer\_Name",SUM("Sales") AS total\_sales

FROM "KMS"

GROUP BY "Customer\_Name"

ORDER BY total\_sales ASC

LIMIT 10

1. --Q5. KMS incured the most shipping cost using which shipping method?

SELECT "Ship\_Mode", SUM("Shipping\_Cost") AS Total\_Cost

FROM "KMS"

GROUP BY "Ship\_Mode"

ORDER BY Total\_Cost DESC

LIMIT 1

Case Scenario II

1. –Q6. Who are the most valuable customers,and what product or sevice do they typically

purchase

SELECT "Customer\_Name","Product\_Name",SUM("Sales") AS Total\_purchase

FROM "KMS"

GROUP BY "Customer\_Name", "Product\_Name"

ORDER BY Total\_purchase DESC

LIMIT 10

1. –Q7. Which small business customer has the highest sales

SELECT "Customer\_Name", "Customer\_Segment", SUM("Sales") AS Total\_Sales

FROM "KMS"

WHERE "Customer\_Segment" = 'Small Business'

GROUP BY "Customer\_Name", "Customer\_Segment"

ORDER BY Total\_Sales DESC

LIMIT 1

1. –Q8. Which corporate customer placed the most number of order in 2009-2012

SELECT "Customer\_Name", "Customer\_Segment",COUNT("Row\_ID") AS total\_count

FROM "KMS"

WHERE "Customer\_Segment" = 'Corporate' AND "Order\_Date" BETWEEN '2009-01-01' AND '2012-12-31'

GROUP BY "Customer\_Name", "Customer\_Segment"

ORDER BY total\_count

LIMIT 1

1. –Q9. Which consumer customer was the most profotable one

SELECT "Customer\_Name", "Customer\_Segment", SUM("Profit") AS Total\_Profit

FROM "KMS"

WHERE "Customer\_Segment" = 'Consumer'

GROUP BY "Customer\_Name", "Customer\_Segment"

ORDER BY Total\_Profit DESC

LIMIT 1