1. What are the names of all customers who have placed orders?

SELECT DISTINCT CUSTOMER\_NAME

FROM S\_Customer\_T

JOIN S\_Order\_T ON S\_Customer\_T . CUSTOMER\_ID=S\_Order\_T . CUSTOMER\_ID;

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1. What are the product descriptions ordered by the customer ID, 1?

SELECT PRODUCT\_DESCRIPTION

FROM S\_PRODUCT\_T

JOIN S\_Order\_line\_T USING (PRODUCT\_ID)

JOIN S\_Order\_T USING (ORDER\_ID)

WHERE CUSTOMER\_ID=1;

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1. What are the product descriptions ordered by the customer, ‘Impressions’?

SELECT PRODUCT\_DESCRIPTION

FROM S\_PRODUCT\_T

JOIN S\_Order\_line\_T USING (PRODUCT\_ID)

JOIN S\_Order\_T USING (ORDER\_ID)

JOIN S\_CUSTOMER\_T USING (CUSTOMER\_ID)

WHERE CUSTOMER\_NAME = 'Impressions';

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1. List all customers names that have placed an order that contains a product whose standard price is over 500.

SELECT DISTINCT CUSTOMER\_NAME

FROM S\_CUSTOMER\_T

JOIN S\_Order\_T USING (CUSTOMER\_ID)

JOIN S\_Order\_line\_T USING (ORDER\_ID)

JOIN S\_PRODUCT\_T USING (PRODUCT\_ID)

WHERE S\_PRODUCT\_T . STANDARD\_PRICE > 500;

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1. List all customers. Print the order ID (s) along the customer information if they have submitted the order(s).

SELECT CUSTOMER\_NAME, ORDER\_ID

FROM S\_CUSTOMER\_T

LEFT JOIN S\_Order\_T USING (CUSTOMER\_ID);

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1. Display the subtotal amount of each orderline in each order

SELECT ORDER\_ID, PRODUCT\_ID, ORDERED\_QUANTITY, STANDARD\_PRICE, (ORDERED\_QUANTITY \* STANDARD\_PRICE) AS SUBTOTAL

FROM S\_Order\_line\_T

JOIN S\_Product\_T USING (PRODUCT\_ID)

ORDER BY ORDER\_ID;

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1. Display the total amount of each order?

SELECT ORDER\_ID,

SUM(CAST(ORDERED\_QUANTITY AS DECIMAL(10, 2)) \* CAST(STANDARD\_PRICE AS DECIMAL(10, 2))) AS TOTAL\_AMOUNT

FROM S\_Order\_line\_T

JOIN S\_Product\_T USING (PRODUCT\_ID)

GROUP BY ORDER\_ID;

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