


- Query 3: Determining the top five selling categories of products during the fourth quarter



```
-- Creat view for easier double checking
CREATE VIEW sorted_categories AS
WITH order_totals AS (
    SELECT
        od.orderID,
        od.productID,
        p.productName,
        c.categoryName,
        od.unitPrice * od.quantity AS total_sales_amount
    FROM
        order_details od
    JOIN
        products p
    ON od.productID = p.productID
    JOIN
        categories c
    ON c.categoryID = p.categoryID
)
```



```
-- Creat view for easier double checking
SELECT
    ot.categoryName,
    ROUND(SUM(ot.total_sales_amount)) AS total_revenue
FROM
    order_totals ot
JOIN
    orders o
    ON ot.orderID = o.orderID
WHERE MONTHNAME(o.orderDate) IN ('October', 'November', 'December')
GROUP BY ot.categoryName
ORDER BY total_revenue DESC; -- Must run this portion of the query before VIEW is
created

SELECT * FROM sorted_categories
LIMIT 5;
-- Checking that sales from all categories equate to $335,579
SELECT SUM(total_revenue) FROM sorted_categories; -- Value of $335,579 checks
```