**Exercises on WITH ROLLUP**

**Exercise 1:** Write a query to calculate the total number of orders in the "orders" table by customerwise, including a grand total.

**Exercise 2:** Calculate the total revenue generated by all orders in the "order\_details" table, including subtotals for each order and a grand total.

**Exercise 3:** Find the total number of products in the "products" table by categorywise, including a grand total.

**Exercise 4:** Calculate the total number of customers in the "customers" table, including a grand total.

**Exercise 5:** Write a query to calculate the subtotal of all orders (total price for each order) in the "orders" table, including a grand total.

**Exercise 6:** Find the total number of orders placed by each customer in the "customers" table, including a grand total.

**Exercise 7:** Calculate the total revenue generated by each category (category name) in the "categories" table, including a grand total.

**Exercise 8:** Calculate the grand total revenue for all orders, including subtotals for each order.

**Exercise 9:** Calculate the grand total revenue for all orders placed by each customer in the "customers" table, including subtotals for each customer.

**Exercise 10:** Calculate the grand total revenue for each product in the "products" table, including subtotals for each product.

**Exercise 11:** Calculate the total revenue generated by each customer, including subtotals for each order and a grand total. Use the "customers," "orders," and "order\_details" tables.

**Exercise 12:** Calculate the total number of products ordered by each customer, including subtotals for each order and a grand total. Use the "customers," "orders," and "order\_details" tables.

**Exercise 13:** Calculate the total revenue generated by each employee, including subtotals for each order and a grand total. Use the "employees," "orders," and "order\_details" tables.

**Exercise 14:** Calculate the total number of products ordered by each employee, including subtotals for each order and a grand total. Use the "employees," "orders," and "order\_details" tables.

**Exercise 15:** Calculate the total revenue generated by each category, including subtotals for each product and a grand total. Use the "categories," "products," and "order\_details" tables.

**Exercise 16:** Calculate the total number of products ordered from each category, including subtotals for each product and a grand total. Use the "categories," "products," and "order\_details" tables.

**Exercise 17:** Calculate the total revenue generated by each supplier, including subtotals for each product and a grand total. Use the "suppliers," "products," and "order\_details" tables.

**Exercise 18:** Calculate the total number of products ordered from each supplier, including subtotals for each product and a grand total. Use the "suppliers," "products," and "order\_details" tables.

**Exercise 19:** Calculate the total revenue generated by each employee for orders placed by each customer, including subtotals for each order, and a grand total. Use the "employees," "customers," "orders," and "order\_details" tables.

**Exercise 20:** Calculate the total number of products ordered by each employee for orders placed by each customer, including subtotals for each order, and a grand total. Use the "employees," "customers," "orders," and "order\_details" tables.