**SALES QUERY**

SELECT productlines.productline AS category,

DATE\_FORMAT(orderdate, '%Y-%m') AS date\_month\_year,

SUM(orderdetails.quantityordered) AS nb\_ordered\_products

FROM products

INNER JOIN orderdetails ON products.productcode=orderdetails.productcode

INNER JOIN productlines ON products.productline=productlines.productline

INNER JOIN orders ON orderdetails.ordernumber=orders.ordernumber

GROUP BY category, DATE\_FORMAT(orderdate, '%Y-%m')

ORDER BY category ASC, date\_month\_year DESC;

**FINANCES QUERY**

SELECT offices.country,

DATE\_FORMAT(orders.orderDate, "%Y-%m") AS mois, SUM(orderdetails.quantityOrdered \* orderdetails.priceEach) as Turnover

FROM orders

INNER JOIN orderdetails ON orderdetails.orderNumber=orders.orderNumber

INNER JOIN customers ON customers.customerNumber=orders.customerNumber

INNER JOIN employees ON employees.employeeNumber=customers.salesRepEmployeeNumber

INNER JOIN offices ON offices.officeCode = employees.officeCode

WHERE DATE\_FORMAT(orders.orderDate, "%Y-%m-%d") >= DATE\_SUB(DATE\_FORMAT(NOW(),"%Y-%m-01"), INTERVAL 2 MONTH) AND DATE\_FORMAT(orders.orderDate, "%Y-%m-%d") < DATE\_FORMAT(NOW(), "%Y-%m-01")

GROUP BY offices.country, mois

ORDER BY offices.country, mois DESC;

**LOGISTICS QUERY**

SELECT orderdetails.productCode, products.productLine, products.productName, SUM(orderdetails.quantityOrdered) AS totalQuantity,

SUM(orderdetails.priceEach \* orderdetails.quantityOrdered) AS totalAmount, products.quantityInStock

FROM orderdetails

INNER JOIN products ON orderdetails.productCode = products.productCode

GROUP BY orderdetails.productCode

ORDER BY totalQuantity DESC

LIMIT 5;

**HUMAN RESSOURCES QUERY**

SELECT \* FROM (

SELECT

ROW\_NUMBER() OVER(PARTITION BY DATE\_FORMAT(orderdate, '%Y-%m') ORDER BY SUM(orderdetails.quantityOrdered \* orderdetails.priceEach) DESC) AS ranking,

customers.salesRepEmployeeNumber AS ID\_employee, employees.lastName, employees.firstName, SUM(orderdetails.quantityOrdered \* orderdetails.priceEach) AS Turnover,

DATE\_FORMAT(orderdate, '%Y-%m') AS mois

FROM customers

INNER JOIN payments ON payments.customerNumber = customers.customerNumber

INNER JOIN orders ON orders.customerNumber = customers.customerNumber

INNER JOIN orderdetails ON orderdetails.orderNumber = orders.orderNumber

INNER JOIN employees ON employees.employeeNumber = customers.salesRepEmployeeNumber

GROUP BY mois, ID\_employee, employees.lastName, employees.firstName, DATE\_FORMAT(orderdate, '%Y-%m')

) AS topranking

WHERE topranking.ranking <= 2

ORDER BY mois DESC, Turnover DESC;