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/*
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Write a query to return the most profitable products of each country.
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WITH profitByCountryProduct AS (  
    SELECT  
        f.country,  
        p.productCode,  
        p.productName,  
        SUM(d.quantityOrdered * (d.priceEach - p.buyPrice)) AS profit  
    FROM  
        offices AS f  
    INNER JOIN  
        employees AS e  
        ON f.officeCode = e.officeCode  
    INNER JOIN  
        customers AS c  
        ON e.employeeNumber = c.salesRepEmployeeNumber  
    INNER JOIN  
        orders AS o  
        ON c.customerNumber = o.customerNumber  
    INNER JOIN  
        orderdetails AS d  
        ON d.orderNumber = o.orderNumber  
    INNER JOIN  
        products AS p  
        ON p.productCode = d.productCode  
    WHERE  
        YEAR(o.orderDate) = 2003  
    GROUP BY  
        f.country,  
        p.productCode,  
        p.productName  
) ,
```

```

maxProfit AS (
    SELECT
        cte1.country,
        MAX(cte1.profit) AS maxProfit
    FROM
        profitByCountryProduct AS cte1
    GROUP BY
        cte1.country
)
SELECT
    cte1.*
FROM
    maxProfit AS cte2
INNER JOIN
    profitByCountryProduct AS cte1
    ON cte2.country = cte1.country
    AND cte2.maxProfit = cte1.profit
ORDER BY
    cte1.profit DESC;

```

Result Grid

country	productCode	productName	profit
France	S18_3232	1992 Ferrari 360 Spider red	17930.78
USA	S18_3232	1992 Ferrari 360 Spider red	16815.98
UK	S18_3232	1992 Ferrari 360 Spider red	10690.06
Australia	S18_2795	1928 Mercedes-Benz SSK	7049.36
Japan	S12_1108	2001 Ferrari Enzo	6491.54