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## Question: Lab 5: SQL Query on Multiple Tables Display employee numb...

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### Lab 5: SQL Query on Multiple Tables

Display employee number, first name, middle name, last name and the job description for all the employees. The order of columns for the display must be the same as it is provided in the previous sentence. You will join MSC\_employee and MSC\_job tables.

Write and execute a SELECT statement that will return the customer's name, city, salesman's number assigned to customer, and the assigned salesman's last name for customers located in the state of New York.

Display data from the MSC\_Product\_detail table by performing a Three Table Join with the MSC\_Product\_detail, MSC\_Product\_master and MSC\_Vendor tables. The SELECT statement will display product number, product description, sale price, vendor name and quantity in stock ... and only for product details that have quantity in stock less than 400. In addition, the result needs to be sorted by ascending value of quantity in stock.

Write a select statement that will display customer number, customer name and the number of orders belong to the customer whose state is Pennsylvania.. You will need to join two tables, use a COUNT aggregate and a GROUP BY clause in your SELECT statement. Override labels with a more descriptive but brief label.

Create and execute a SELECT statement that would provide data for a vendor directory. Display should include vendor number, vendor name, street, city, state, zip code. Concatenate the address elements to look like '1234 Main Street State College, PA 16802'. Override the column labels with meaningful descriptions. Display directory by state (ascending).

## Expert Answer



Emily Park answered this  
772 answers

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Display employee number, first name, middle name, last name and the job description for all the employees. The order of columns for the display must be the same as it is provided in the previous sentence. You will join MSC\_employee and MSC\_job tables.

### Query:

```
SELECT empl_number, empl_first_name, empl_middle_name,
       empl_last_name, job_description
FROM MSC_Employee, MSC_job
WHERE
MSC_Employee.job_code= MSC_job.job_code;
```

Write and execute a SELECT statement that will return the customer's name, city, salesman's number assigned to customer, and the assigned salesman's last name for customers located in the state of New York.

### Query:

```
SELECT cust_name, cust_city, salesman_number,
FROM MSC_Customer, MSC_employee
WHERE
MSC_Customer.salesman_number = MSC_employee.empl_number
AND
cust_city like "New York";
```

Display data from the MSC\_Product\_detail table by performing a Three Table Join with the MSC\_Product\_detail, MSC\_Product\_master and MSC\_Vendor tables. The SELECT statement will display product number, product description, sale price, vendor name and quantity in stock ... and only for product details that have quantity in stock less than 400. In addition, the result needs to be sorted by ascending value of quantity in stock.

### Query:

```
SELECT prod_number, prod_description, sale_price, vend_name,
       qty_in_stock FROM
MSC_Product_detail, MSC_Product_master, MSC_Vendor
WHERE
```

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```
MSC_Vendor.vend_number=MSC_Product_detail.vend_number
AND qty_in_stock<400
ORDER BY qty_in_stock asc;
```

Write a select statement that will display customer number, customer name and the number of orders belong to the customer whose state is Pennsylvania. You will need to join two tables, use a COUNT aggregate and a GROUP BY clause in your SELECT statement. Override labels with a more descriptive but brief label.

Query:

```
SELECT cust_number, cust_name, count(ord_number) as
number_of_orders,
FROM MSC_Customer, MSC_Order
WHERE
MSC_Customer.cust_number=MSC_Order.cust_number
GROUP BY cust_number
HAVING cust_city like "Pennsylvania";
```

Create and execute a SELECT statement that would provide data for a vendor directory. Display should include vendor number, vendor name, street, city, state, zip code. Concatenate the address elements to look like '1234 Main Street State College, PA 16802'. Override the column labels with meaningful descriptions. Display directory by state (ascending).

Query:

```
SELECT vend_number, vend_name, concat(vend_street, ", ",
vend_city, ", ", vend_state, ", ", vend_zip) as address
FROM MSC_Vendor
ORDER BY vend_state asc;
```

Queries to copy:

1.

```
SELECT empl_number, empl_first_name, empl_middle_name, empl_last_name, job_description
FROM MSC_Employee, MSC_job
WHERE
MSC_Employee.job_code= MSC_job.job_code;
```

2.

```
SELECT cust_name, cust_city, salesman_number,
FROM MSC_Customer, MSC_employee
WHERE
MSC_Customer.salesman_number = MSC_employee.empl_number
AND
cust_city like "New York";
```

3.

```
SELECT prod_number, prod_description, sale_price, vend_name, qty_in_stock FROM
MSC_Product_detail, MSC_Product_master, MSC_Vendor
WHERE
MSC_Product_master.prod_number =MSC_Product_detail.prod_number
AND MSC_Vendor.vend_number=MSC_Product_detail.vend_number
AND qty_in_stock<400
ORDER BY qty_in_stock asc;
```

4.

```
SELECT cust_number, cust_name, count(ord_number) as number_of_orders,
FROM MSC_Customer, MSC_Order
WHERE
```

HAVING cust\_city like "Pennsylvania";

5.

SELECT vend\_number, vend\_name, concat(vend\_street, ", ", vend\_city, ", ", vend\_state, ", ", vend\_zip) as address

FROM MSC\_Vendor

ORDER BY vend\_state asc;

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Q: SQL Query on Multiple Tables—JOIN 1. Display employee number, first name, middle name, last name and the job description for all the employees. The order of columns for the display must be the same as it is provided in the previous sentence. You will join MSC\_employee and MSC\_job tables. 2. Write and execute a SELECT statement that will return the customer's name, city, salesman's...

A: [See answer](#) 100% (1 rating)

Q: SQL Query on Multiple Tables—JOIN 1. Display employee number, first name, middle name, last name and the job description for all the employees. The order of columns for the display must be the same as it is provided in the previous sentence. You will join MSC\_employee and MSC\_job tables. 2. Write and execute a SELECT statement that will return the customer's name, city, salesman's...

A: [See answer](#) 100% (1 rating)

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Q: perform the following queries: 1. Display data from the MSC\_Product\_detail table by performing a Three Table Join with the MSC\_Product\_detail, MSC\_Product\_master and MSC\_Vendor tables. The SELECT statement will display product number, product description, vendor name and quantity in stock ... and only for product details that have quantity in stock less than 500. In addition, the...

A: [See answer](#) 100% (1 rating)

Q: Display employee number, first name, last name and the job description for all the employees. You will join MSC\_employee and MSC\_job tables. Write and execute a SELECT statement that will return the customer's name, city, salesman's number assigned to customer, and the assigned salesman's last name for customers located in the state of Pennsylvania. Display data from the MSC\_Product...

A: [See answer](#) 100% (1 rating)

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