

MY-SQL

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**MySQL- Online Retail Store:**

-- Q-6: Insert the following two rows in the 'customers' table.

-- (495,'Diecast Collectables','Franco','Valarie','Boston','MA','51003','USA','1188',85100),

-- (496,'Kelly\'s Gift Shop','Snowden','Tony','Auckland ','NULL','NULL','New Zealand','1612',110000)

Ans:

INSERT INTO `customers` VALUES(495,'Diecast Collectables','Franco','Valarie','Boston','MA','51003','USA','1188',85100),

(496,'Kelly\'s Gift Shop','Snowden','Tony','Auckland ','NULL','NULL','New Zealand','1612',110000)

-- Q-7: In the "employees" table there are some entries where 'SR' is written instead of 'Sales Rep' where office code is equal to 4.

-- Update the 'employees' table by inserting a job title as 'Sales Rep' where office code is equal to 4.

Ans:

UPDATE `employees`

SET `job title` = 'Sales Rep'

WHERE `office code` = 4;

-- Q-8: There is no product under category of boat. Hence, delete the Boat entry from productlines table.

Ans:

SELECT \* FROM productlines ;

DELETE FROM productlines WHERE productLine='Boats';

-- Q-9: Convert the 'quantityOrdered' column's data type into int from varchar.

Ans:

SELECT CAST('quantityordered' AS INT) FROM `orderdetails`

-- Q-10(1): Print the employees with the job title “Sales Rep”.

-- What is the first name of the employee that appears on the top after applying this query?

Ans:

SELECT \* FROM employees

WHERE jobTitle='Sales Rep';

SELECT \* FROM employees

WHERE firstName='Leslie';

-- Q-10(2): Find the total number of employees from the 'employees’ table and alias it as "Total\_Employees".

Ans:

SELECT COUNT(employeeNumber)AS Total\_Employees

FROM employees;

SELECT COUNT(country)

FROM customers;

SELECT \* FROM customers

WHERE country IN ('Australia');

-- Q-11(1): Print the quantity in stock for "Red Start Diecast" product vendors with product line is "Vintage Cars" from the table "products".

Ans:

SELECT quantityInStock FROM products WHERE productVendor='Red Start Diecast' AND productLine='Vintage Cars' ;

-- Q-11: Count the total number of orders that has not been shipped yet in the "orders" table.

Ans:

SELECT COUNT(status)

FROM orders;

SELECT COUNT(productCode),priceEach

FROM orderdetails

GROUP BY priceEach

HAVING COUNT(productCode) <50;

-- Q-12: Count the entries in "orderdetails" table with "productCode" starts with S18 and "priceEach" greater than 150.

Ans:

SELECT count(\*) FROM orderdetails WHERE productCode LIKE 'S18%' AND priceEach>150;

-- Q- 13: What are the top three countries which have the maximum number of customers?

Ans:

SELECT max(country) as country from customers;

SELECT \* FROM customers

ORDER BY country desc;

SELECT AVG(creditLimit)

FROM customers;

-- Q-14: What is the average credit limit for Singapore from "customers" table?

Ans:

SELECT AVG(creditLimit) FROM customers WHERE city='Singapore' ;

-- Q-15: What is the total amount to be paid by the customer named as “Euro+ Shopping Channel”?

-- You need to use the “customers” and “payments” tables to answer this question.

Ans:

SELECT sum(amount) FROM customers c, payments p WHERE c.customerNumber=p.customerNumber ;

-- Q-16: Which month has recieved the maximum aggragated payments from the customers?

-- Q-16: What is the aggregated value of the payment recieved from that month?

Ans:

SELECT \* FROM payments;

SELECT paymentDate FROM payments GROUP BY paymentDate ORDER BY COUNT(\*) DESC LIMIT 1;

-- Q-17: What is the shipped date of the maximum quantity ordered for "1968 Ford Mustang" product name?

Ans:

SELECT \* FROM orders;

SELECT \* FROM products ;

SELECT MAX(quantityordered) FROM orderdetails WHERE productName='1968 Ford Mustang';

-- Q-18: Inner join: What is the average value of credit limit corresponds to the customers which have been contacted by the employees with their office located in “Tokyo” city?

Ans:

SELECT AVG(creditlimit) ,city

FROM customers

INNER JOIN payments ON payments.customernumber=customers.customernumber

WHERE customername="Mini Gifts Distributors Ltd."

-- Q-19: Outer Join: What is the name of the customer which has paid the lowest amount to the company.

Ans:

SELECT MIN(amount),customername

FROM customers

LEFT OUTER JOIN payments ON customers.customernumber=payments.customernumber

-- Q-20: Outer Join: What is the city of the employee whose job title is "VP Marketing" ?

Ans:

SELECT office\_city

FROM offices

LEFT OUTER JOIN employees ON offices.officecode=employees.officecode WHERE jobTitle="VP Marketing"

-- Q-21: What is the name of the customer who belongs to ‘France’ and has the maximum creditLimit among the customers in France?

Ans:

SELECT MAX(creditlimit),customername

FROM customers

WHERE country="France"

-- Q-22: What will be the remaining stock of the product code that equals ‘S18\_1589’ if it is sent to all the customers who have demanded it?

Ans:

SELECT quantityinstock

FROM products

where productcode="S18\_1589"

-- Q-23: What is the average amount paid by the customer 'Mini Gifts Distributors Ltd.'?

Ans:

SELECT AVG(amount) ,customername

FROM payments

INNER JOIN customers ON payments.customernumber=customers.customernumber

WHERE customername="Mini Gifts Distributors Ltd."