

Q1) How would you fetch details of the customers who cancelled orders?

Ans: *SELECT * FROM customers LEFT JOIN orders ON orders.customer_id = customers.customer_id WHERE orders.status = "Cancelled";*

Q2) Fetch the details of customers who have done payments between the amount 5,000 and 35,000?

Ans: **SELECT * FROM customers LEFT JOIN payments ON payments.customer_id=customers.customer_id WHERE payments.amount BETWEEN 5000 AND 35000 ORDER BY payments.amount;**

Q3) Add new employee/salesman with following details:-

EMP ID - 15657

First Name : Lakshmi

Last Name: Roy

Extension : x4065

Email: lakshmiroy1@lcomotors.com

Office Code: 4

Reports To: 1088

Job Title: Sales Rep

Ans: **INSERT INTO `employees`(`employee_id`, `last_name`, `first_name`, `extension`, `email`, `office_code`, `reports_to`, `job_title`) VALUES (15657, "Roy", "Lakshmi", "x4065", "lakshmiroy1@lcomotors.com",4,1088, "Sales Rep");**

Q4) Assign the new employee to the customer whose phone is 2125557413 .

Ans: UPDATE `customers` SET customers.sales_employee_id = 15657 WHERE customers.phone = 2125557413;

Q5) Write a SQL query to fetch shipped motorcycles.

Ans: SELECT * FROM orders LEFT JOIN orderdetails ON orderdetails.order_id=orders.order_id LEFT JOIN products ON orderdetails.product_code = products.product_code WHERE products.product_line = "Motorcycles" AND orders.status = "Shipped";

Q6) Write a SQL query to get details of all employees/salesmen in the office located in Sydney.

Ans: SELECT employees.employee_id, employees.first_name, employees.last_name, employees.email, employees.extension, employees.job_title, employees.office_code FROM employees LEFT JOIN offices ON employees.office_code=offices.office_code WHERE

Q6) Write a SQL query to get details of all employees/salesmen in the office located in Sydney.

Ans: `SELECT employees.employee_id, employees.first_name, employees.last_name, employees.email, employees.extension, employees.job_title, employees.office_code FROM employees LEFT JOIN offices ON employees.office_code=offices.office_code WHERE offices.city="Sydney";`

Q7) How would you fetch the details of customers whose orders are in process?

Ans: `SELECT customers.customer_id, customers.first_name, customers.last_name, customers.phone, customers.address_line1, customers.address_line2, customers.city, customers.state, customers.postal_code, customers.country, customers.credit_limit, orders.order_id, orders.status FROM customers LEFT JOIN orders ON orders.customer_id = customers.customer_id WHERE orders.status = "In Process";`

Q8) How would you fetch the details of products with less than 30 orders?

Ans: `SELECT products.product_code, products.product_name, products.product_scale, products.product_vendor, products.product_description, products.stock, products.buy_price, products.mrp, productlines.product_line, productlines.description AS productline_description, orderdetails.quantity_ordered, orderdetails.order_id FROM products RIGHT JOIN productlines ON productlines.product_line=products.product_line LEFT JOIN orderdetails ON orderdetails.product_code = products.product_code WHERE orderdetails.quantity_ordered < 30;`

Q9) It is noted that the payment (check number OM314933) was actually 2575. Update the record.

Ans: `UPDATE `payments` SET `amount` = 2575 WHERE payments.check_number = "OM314933";`

Q10) Fetch the details of salesmen/employees dealing with customers whose orders are resolved.

Ans: `SELECT DISTINCT employees.employee_id, employees.first_name, employees.last_name, employees.email, employees.job_title, employees.extension, customers.customer_id, orders.order_id, orders.status FROM employees LEFT JOIN customers ON customers.sales_employee_id = employees.employee_id RIGHT JOIN orders ON orders.customer_id = customers.customer_id WHERE orders.status = "Resolved";`

Q11) Get the details of the customer who made the maximum payment.

Ans: `SELECT * FROM customers RIGHT JOIN payments ON customers.customer_id = payments.customer_id WHERE payments.amount = (SELECT MAX(amount) from payments);`

Q12) Fetch list of orders shipped to France.

Ans: `SELECT orders.order_id, orders.order_date, orders.required_date, orders.shipped_date, orders.status, orders.comments , orders.customer_id, customers.country FROM orders LEFT JOIN customers ON customers.customer_id = orders.customer_id WHERE customers.country = "France" AND orders.status="Shipped";`

Q13) How many customers are from Finland who placed orders.

Ans: `SELECT customers.customer_id, orders.order_id, COUNT(customers.customer_id) FROM customers RIGHT JOIN orders ON orders.customer_id=customers.customer_id WHERE customers.country = "Finland";`

Q14) Get the details of the customer who made the maximum payment.

Ans: `SELECT * FROM customers RIGHT JOIN payments ON customers.customer_id = payments.customer_id WHERE payments.amount = (SELECT MAX(amount) from payments);`

Q15) Get the details of the customer and payments they made between May 2019 and June 2019.

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Ans: `SELECT customers.customer_id, customers.first_name, customers.last_name, customers.phone, customers.address_line1, customers.address_line2, customers.city, customers.state, customers.postal_code, customers.country, customers.credit_limit, payments.payment_date FROM customers LEFT JOIN payments on payments.customer_id = customers.customer_id WHERE payments.payment_date BETWEEN '2019-05-01' AND '2019-06-30';`

Q16) How many orders shipped to Belgium in 2018?

Ans: `SELECT COUNT(orders.order_id) FROM orders INNER JOIN customers ON customers.customer_id = orders.customer_id WHERE customers.country = "Belgium" AND orders.shipped_date BETWEEN '2019-01-01' AND '2019-12-31';`

Q17) Get the details of the salesman/employee with offices dealing with customers in Germany.

Ans: `SELECT employees.employee_id, employees.first_name ,employees.last_name, employees.email, employees.job_title, employees.extension, customers.customer_id, offices.office_code, offices.address_line1, offices.address_line2, offices.phone, offices.city, offices.state, offices.country, offices.postal_code, offices.territory FROM employees CROSS JOIN offices ON offices.office_code=employees.office_code LEFT JOIN customers on customers.sales_employee_id = employees.employee_id WHERE customers.country = "Germany";`

Q18) The customer (id:496) made a new order today and the details are as follows:

Order id : 10426

Product Code: S12_3148

Quantity : 41

Each price : 151

Order line number : 11

Order date : <today's date>

Required date: <10 days from today>

Status: In Process

Ans: Follow the step:

```
S1) INSERT INTO `orders`(`order_id`, `order_date`, `required_date`, `status`, `customer_id`)
VALUES (10426, CURRENT_DATE(), (CURRENT_DATE() + INTERVAL 10 DAY), "In Process",
496);
```

```
S2)INSERT INTO `orderdetails`(`order_id`, `product_code`, `quantity_ordered`, `each_price`,
`order_line_number`) VALUES ( 10426 , "S12_3148" , 41, 151, 11);
```

Q19) Fetch details of employees who were reported for the payments made by the customers between June 2018 and July 2018.

Ans: SELECT reported_emp.employee_id, reported_emp.first_name ,
reported_emp.last_name, reported_emp.email, reported_emp.job_title,
reported_emp.extension , employees.employee_id AS reported_by_employee,
customers.customer_id FROM employees JOIN employees reported_emp ON
reported_emp.employee_id = employees.reports_to LEFT JOIN customers ON
customers.sales_employee_id = employees.employee_id RIGHT JOIN payments ON
payments.customer_id = customers.customer_id WHERE payments.payment_date BETWEEN
'2018-06-01' AND '2018-07-31';

Q20) A new payment was done by a customer(id: 119). Insert the below details.

Check Number : OM314944

Payment date : <today's date>

Amount : 33789.55

Ans: INSERT INTO `payments`(`customer_id`, `check_number`, `payment_date`, `amount`)
VALUES (119, "OM314944", CURRENT_DATE(), 33789.55);

× CLOSE

MOTOR ASSIGNMENT



Q21) Get the address of the office of the employees that reports to the employee whose id is 1102.

Ans: `SELECT offices.office_code, offices.address_line1, offices.address_line2,
offices.phone, offices.city, offices.state, offices.country, offices.postal_code, offices.territory
FROM employees JOIN employees reports_emp ON reports_emp.employee_id =
employees.reports_to RIGHT JOIN offices ON offices.office_code = employees.office_code
WHERE employees.reports_to = "1102";`

Q22) Get the details of the payments of classic cars.

Ans: `SELECT payments.check_number, payments.payment_date, payments.amount,
products.product_name, products.product_line , customers.customer_id AS done_by FROM
payments LEFT JOIN customers ON customers.customer_id = payments.customer_id RIGHT
JOIN orders ON orders.customer_id = customers.customer_id LEFT JOIN orderdetails ON
orderdetails.order_id = orders.order_id LEFT JOIN products ON products.product_code =
orderdetails.product_code WHERE products.product_line = "Classic Cars";`

Q23) How many customers ordered from the USA?

Ans: `SELECT COUNT(*) FROM customers LEFT JOIN orders ON orders.customer_id =
customers.customer_id WHERE customers.country = "USA";`

Q24) Get the comments regarding resolved orders.

Q24) Get the comments regarding resolved orders.

Ans: `SELECT orders.comments , orders.customer_id FROM `orders` WHERE orders.status = "Resolved";`

Q25) Fetch the details of employees/salesmen in the USA with office addresses.

Ans:`SELECT employees.employee_id, employees.first_name ,employees.last_name, employees.email, employees.job_title, employees.extension, offices.office_code, offices.address_line1, offices.address_line2, offices.phone, offices.city, offices.state, offices.country, offices.postal_code, offices.territory FROM employees LEFT JOIN offices ON offices.office_code = employees.office_code WHERE offices.country = "USA";`

Q26) Fetch total price of each order of motorcycles. (Hint: quantity x price for each record).

Ans: `SELECT orderdetails.product_code,products.product_name, products.product_line, orderdetails.quantity_ordered , orderdetails.each_price, orderdetails.quantity_ordered*orderdetails.each_price AS total_price FROM orderdetails LEFT JOIN products ON products.product_code= orderdetails.product_code WHERE products.product_line = "Motorcycles";`

Q27) Get the total worth of all planes ordered.

Ans: `SELECT SUM(orderdetails.quantity_ordered*orderdetails.each_price) AS total_price
FROM orderdetails LEFT JOIN products ON products.product_code=
orderdetails.product_code WHERE products.product_line = "Planes";`

Q28) How many customers belong to France?

Ans: `SELECT COUNT(*) FROM customers WHERE customers.country = "France";`

Q29) Get the payments of customers living in France.

Ans: `SELECT customers.customer_id, customers.first_name, customers.last_name, customers.phone, customers.address_line1, customers.address_line2, customers.city, customers.state, customers.postal_code, customers.country, customers.credit_limit, payments.payment_date, payments.amount, payments.check_number FROM customers INNER JOIN payments ON payments.customer_id = customers.customer_id WHERE customers.country="France";`

Q30) Get the office address of the employees/salesmen who report to employee 1143.

Ans: `SELECT DISTINCT offices.office_code, offices.address_line1, offices.address_line2, offices.city, offices.phone, offices.state, offices.country, offices.postal_code, offices.territory , employees.employee_id FROM offices LEFT JOIN employees ON offices.office_code= employees.office_code WHERE employees.reports_to = 1143;`