

SQL Assignments

For databases execute "SQL_practice_databases\create_databases.sql" file inside the MySQL Workbench

1. Write in SQL to return all the products from 'products' table from 'sql_store' database. the columns should be:
 - a. name
 - b. unit price
 - c. new price (unit_price increased by 10%)
2. Write in SQL to return all the order_id from 'orders' table from 'sql_store' database, which are ordered in 2017
3. Write in SQL to return the order_id from 'order_items' table from 'sql_store' database, whose total price is greater than 30 and less than 50.
4. Write in SQL to return the order_id from 'order_items' table from 'sql_store' database, whose total price is greater than 30 or even.
5. Write in SQL to return product_id from 'products' table from 'sql_store' whose quantity in stocks are equal to 49 or 38
6. Write in SQL to return customers' first_name from 'customers' table from 'sql_store' database who born between 1-Jan-1990 and 1-Jan-2000
7. Write in SQL to fetch the customer details from 'customers' table from 'sql_store' database, whose last name starts with 'b' or 'B'
8. Write in SQL to print customer details from 'customers' table from 'sql_store' whose addresses contains 'TRAIL' or 'AVENUE'.
9. Write in SQL to print customer details from 'customers' table from 'sql_store' whose phone numbers end with 9
10. Write in SQL to print customer details from 'customers' table from 'sql_store' whose addresses contains 'TRAIL' or 'AVENUE' using REGULAR EXPRESSIONS
11. Get the customers from 'customers' table from 'sql_store' database whose:
 - a. first_names are ELKA or AMBUR
 - b. last_names end with EY or ON
 - c. last_names start with MY or contains SE
 - d. last_names contain B followed by R or U
12. Write in SQL to find the order list which are not shipped. (table: orders, database: 'sql_store')
13. Write in SQL to find the product_id, quantity and unit_price for order_id = 2. Sort the table by the total price (i.e. quantity*unit_price). (table: order_items, database: sql_store)
14. Write in SQL to find top 3 loyal customers from 'customers' table from sql_store database. (**note:** loyal customer means, customer with more points)
15. Join two tables 'order_items' and 'products' from sql_store database and find a table with order_id, product_id, product_name, quantity and unit_price.
16. From sql_hr database, 'employees' table fetch all employees firstname and their manager's name.
17. Use sql_invoicing database, and join client, payments, and payment_methods table to fetch a table having three columns: client_id, firstname and payment method name.
18. Use sql_store database and 'products' and 'order_items' table. Write in SQL to fetch a table with columns: product_id, name and quantity. Even if the products are not ordered, they should be listed in the table with quantity as 'null'.
19. Use sql_store database and use 'customers', 'orders', 'order_statuses', 'shippers' table, and fetch a table with 5 columns describing order date, order id, firstname of the customer, shipper name and shipping status.

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20. Use sql_invoicing database and use 'clients', 'invoices', 'payment_methods', and 'payments' table and fetch a table with columns with description: payment date, client name, amount paid, and payment method name.
21. Join 'shippers' and 'products' table by cross join with implicit syntax.
22. Join 'shippers' and 'products' table by cross join with explicit syntax.
23. Use sql_store data base and 'customers' table and fetch a table with columns: customer's firstname, points and tier. The tier rules are given below:

Points	Tier
<2000	Bronze
>=2000 & <=3000	Silver
>3000	Gold

24. Write in SQL to enter a new set of details of yours in the 'customers' table from sql_store database.
25. Write in SQL to enter three new shipper names in 'shippers' table from sql_store database.
26. Use sql_store database and 'customers' table. Update the points by adding 50 points in the database.
27. Update the 'order' tables' 'comments' column with 'Gold Customer', if the client has more than 3000 points.
- 28.