

Boot Camp PROJECT: Database

Introduction: Each team has their own database server with different tables such as:

Customers, employees, offices, orderdetails, orders, payments, productlines, products

Approach: You have to write test cases and query based on your requirements. Below I described and attached the simple-database that you need to add to your mysql workbench.

Requirements:

I Assume you have 8 different tables in your database. Based on this, perform the following requirements.

Also you have to maintain an *excel-sheet* for your test cases.

SQL-Workbench:

Task 1: Find all tables in your database

Task 2: Write a query to see the orders status from orders table

Task 3: Write a query for inner join within products and productlines (Inner-join)

Task 4: Write a query for customers and order all records as customerNumber (count)

Task 5: Write a query for customers to count total record of this table (count)

Task 6: Write a query to find the department name and count the total number of them? (count)

Task 7: Write a query to find the details who has maximum payment (Sub-query)

Task 8: Write a query to find the details who has maximum payment (Sub-query)

Task 10: Write a query to find total yearly sales of top 5 and down 5 using ASC and Desc order from payments table.

Task 11: . Write a query from the order_items table and join it with the products tables and add following columns: order_id, product_id, quantity unit_price.

Using Eclipse:

Task : Create a maven project, add dependencies for JDBC. After perform following actions:

1. Create a JDBC connection for your own SQL-Workbench.
2. Create a method to retrieve TOP 5 records from *Customers* Table.
3. Create a method to retrieve TOP 5 records from *employees* Table.
4. Create a method to retrieve TOP 5 records from *orders* Table.
5. Create a method to retrieve TOP 5 records from *products* Table.
6. Create a method to retrieve data from the order_items table and join it with the products tables and add following columns: order_id, product_id, quantity unit_price.

Actions you have to take:

As a team member, you must be able to perform the above operation (Task's) and add appropriate evidence/screenshot that you went through.

Testcase maintain:

- Excel-sheet

Tools:

- MySQL-Workbench
- Eclipse/ IntelliJ
- Maven
- TestNG

Environment:

- MAC ,
- Windows