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**

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

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

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

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

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

**Out of the eight tables, none of them has a column with the name “department”. A similar query on table product is shown below:**

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

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

**Please refer to the previous question (it’s same as before).**

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

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**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.**

**Table

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**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.**

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**2. Create a method to retrieve TOP 5 records from** Customers **Table.**

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**Create a method to retrieve TOP 5 records from payments** **Table**

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1. **Create a method to retrieve TOP 5 records from employees Table.**

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1. **Create a method to retrieve TOP 5 records from** orders **Table.**

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1. **Create a method to retrieve TOP 5 records from products Table.**

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1. **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.**

**Text

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**Table

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**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