

1)Write a Java program to establish a connection to a MySQL database using JDBC

```
import java.sql.Connection;

import java.sql.DriverManager;

public class MySQLConnection{

    public static void main(String[] args) {

        String url = "jdbc:mysql";

        String user = "root";

        String password = "4010";

        try {

            Connection con= DriverManager.getConnection(url,

user, password);

            System.out.println("Connected to the database!");

            con.close();

        } catch (SQLException e) {

            System.out.println("Not connected to the database!");

        }

    }

}
```

2) Consider two tables, customers and orders, with the following structures:

Customers Table:

customer_id (Primary Key)

first_name

Last_name

Orders Table:

order_id (Primary Key)

customer_id (Foreign Key)

order_date

Total_amount

Write an SQL query to retrieve the first and last names of customers along with the

order date and total amount of their orders. Use an INNER JOIN to connect the two tables

```
SELECT customers.first_name, customers.last_name,  
orders.order_date, orders.total_amount
```

```
FROM customers
```

```
INNER JOIN orders ON customers.customer_id =  
orders.customer_id;
```

