Modern Application Development (Java Spring Boot)

ASSIGNMENT - 3
JDBC

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Question:
Java JDBC Connection

Code:

```java
import java.sql.*;

public class Database {
    public static void main(String[] args) {
        String url = "jdbc:mysql://localhost:3306/database1";
        String username = "root";
        String password = "Kishore@2003";


        Connection connection = null;
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            connection = DriverManager.getConnection(url, username,
password);
            Statement statement = connection.createStatement();
            ResultSet resultSet = statement.executeQuery("SELECT * FROM
customers");

            //FOR TABLE "CUSTOMERS"
            System.out.println("\nTABLE - CUSTOMERS");

System.out.println("------------------------------------------------");
            while (resultSet.next()) {
                int customerid = resultSet.getInt("customerID");
                String fname = resultSet.getString("firstname");
                String lname = resultSet.getString("lastname");
                String email = resultSet.getString("email");
                String phone = resultSet.getString("Phone");

                System.out.println(customerid+" "+fname+" "+lname+"
"+email+" "+phone);
            }
            resultSet.close();
            statement.close();

            //FOR TABLE "ORDERS"
            Statement statement1 = connection.createStatement();
```

```java
            ResultSet resultSet1 = statement1.executeQuery("SELECT * FROM
orders");

            System.out.println("\nTABLE - ORDERS");

System.out.println("------------------------------------------------");
            while (resultSet1.next()) {
                int orderid = resultSet1.getInt("orderID");
                int customerid = resultSet1.getInt("customerID");
                String orderdate = resultSet1.getString("orderdate");
                int totalamount = resultSet1.getInt("totalamount");
                int productid = resultSet1.getInt("productID");

                System.out.println(orderid+" "+customerid+" "+orderdate+"
"+totalamount+" "+productid);
            }
            resultSet1.close();
            statement1.close();
        }
        catch (Exception e) {
            System.out.println(e);
            e.printStackTrace();
        }
        finally {
            if (connection != null) {
                try {
                    connection.close();
                }
                catch (SQLException e) {
                    e.printStackTrace();
                }
            }
        }
    }
}
```

Output:

```
PS F:\II\JSB\Database>  & 'C:\Program Files\AdoptOpenJDK\jre-11.0.7.10-hotspot\bin\java.exe' '@C:\Users\WELCOME\AppData\Local\T
emp\cp_883huk5ccxb1ovrdv91seqnxp.argfile' 'Database'

TABLE - CUSTOMERS
-------------------------------------------------
1 Kishore Girivasan kishoreg@gmail.com 9899023990
2 Ram Charan ramcharan@gmail.com 9639102849
4 Parvathy Jagan parvathy@gmail.com 9822375664
5 Akshay Kumar akshaykumar@gmail.com 8339003824

TABLE - ORDERS
-------------------------------------------------
1 1 2023-05-15 15000 4
2 2 2023-05-18 9000 3
4 4 2023-05-21 2599 2
5 5 2023-05-25 2000 5
PS F:\II\JSB\Database>
```