```java
package main.java.com.cognizant.CogniCloth.jdbc;

import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.SQLException;

public class DBConnection {
	private static final String jdbc_URL="jdbc:mysql://localhost:3306/cogniclothdb";
	private static Connection con;

	public static Connection getConnection() throws ClassNotFoundException, SQLException {
		try {
			con = DriverManager.getConnection(jdbc_URL);
			if (con !=null) {
				System.out.print("MySQL is connected.");
			}
		}
		catch (SQLException e) {
			e.printStackTrace();
		}
		return con;
	}
//	public DBConnection()
//	{
//			try
//			{
//			this.con = DriverManager.getConnection(jdbc_URL);
//			if (this.con !=null)
//					{
```

```
//                          System.out.print("MySQL is connected.");
//                    }
//            }
//            catch (SQLException e)
//            {
//                    e.printStackTrace();
//            }

//      }
}
```

```java
package main.java.com.cognizant.CogniCloth.jdbc;


import java.sql.Statement;

import main.java.com.cognizant.CogniCloth.entityclasses.Category;

import java.sql.Connection;

import java.sql.ResultSet;

import java.sql.SQLException;


public class JdbcCategorySearch {


        public void create(Category c)

        {


        }

        public void select(Category c) throws SQLException, ClassNotFoundException {

                try

                {

                        Connection con = DBConnection.getConnection();

                        Statement smt = con.createStatement();

                        String sql = "SELECT * FROM Products p JOIN Category c ON p.categoryID =
c.categoryID WHERE c.categoryName LIKE %" + c.getCategoryName() + "%";

                        ResultSet r = smt.executeQuery(sql);

                        StringBuilder sb = new StringBuilder();


                        while (r.next()) {

                                long categoryID = r.getLong("categoryid");

                                String categoryName = r.getString("categoryName");

                                sb.append(categoryName);

                                sb.append(", ");
```

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                }
                sb.delete(sb.length()-2, sb.length());
                System.out.println(sb.toString());
            }
        catch(SQLException e )
        {
            e.printStackTrace();
        }
    }


    public void update(Category c) {


    }


    //Delete any items from selected category + deletes category itself
    public void delete(Category c) throws SQLException, ClassNotFoundException {
        try
        {
            Connection con = DBConnection.getConnection();
                Statement smt = con.createStatement();
                String sql = "DELETE * FROM Products p JOIN Category c ON p.categoryID =
c.categoryID WHERE c.categoryName LIKE %" + c.getCategoryName() + "%";
                smt.executeQuery(sql);
                sql = "DELETE * FROM Category WHERE categoryName LIKE %" +
c.getCategoryName() + "%";
                smt.executeQuery(sql);
            }
        catch(SQLException e )
        {
```

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                    e.printStackTrace();

            }

    }


    //Selects all products that are not in the selected category

    public void remove(Category c) throws SQLException, ClassNotFoundException {

            try

            {

                    Connection con = DBConnection.getConnection();

                    Statement smt = con.createStatement();

                    String sql = "SELECT * FROM Products p JOIN Category c ON p.categoryID =
c.categoryID WHERE c.categoryName NOT LIKE %" + c.getCategoryName() + "%";

                    ResultSet r = smt.executeQuery(sql);

                    StringBuilder sb = new StringBuilder();


                    while (r.next()) {

                            long categoryID = r.getLong("categoryid");

                            String categoryName = r.getString("categoryName");

                            sb.append(categoryName);

                            sb.append(", ");

                    }

                    sb.delete(sb.length()-2, sb.length());

                    System.out.println(sb.toString());

             }

            catch(SQLException e )

            {

             e.printStackTrace();

            }

    }
```

```java
        }



ackage main.java.com.cognizant.CogniCloth.jdbc;


import java.sql.Statement;


import main.java.com.cognizant.CogniCloth.entityclasses.Product;


import java.sql.Connection;
import java.sql.ResultSet;
import java.sql.SQLException;




public class JdbcProductSearch {
        public void create(Product p) {


        }
        public void select(Product p) throws SQLException, ClassNotFoundException {
                String productName;
                try {
                        Connection con = DBConnection.getConnection();
                        Statement smt = con.createStatement();
```

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                    String sql = "SELECT * FROM Products WHERE productName LIKE %" +
p.getProductName() + "%";

                    ResultSet r = smt.executeQuery(sql);

                    StringBuilder sb = new StringBuilder();


                    while (r.next()) {

                            productName = r.getString("productName");

                            sb.append(productName);

                            sb.append(", ");

                    }

                    sb.delete(sb.length()-2, sb.length());

                    System.out.println(sb.toString());

            }

            catch(SQLException e ) {

             e.printStackTrace();

            }

    }



    public void update(Product p){


    }


    public void delete(Product p) {


    }


}
```