

## Demonstrate a project to set up JDBC environment:

### Index.html:

```
<a href="init" >Initialize JDBC here</a>
```

### DBUtil.java:

```
package com.simpli;
```

```
import java.sql.*;
```

```
public class DBUtil {
```

```
    Connection connection;
```

```
        public DBUtil(String dbURL, String user, String pwd) throws ClassNotFoundException, SQLException {
```

```
            // step 1 : Loading the jdbc driver class;
```

```
            Class.forName("com.mysql.jdbc.Driver");
```

```
            // step 2 : Use the Driver Manager to get a connection to the database;
```

```
            this.connection = DriverManager.getConnection(dbURL, user, pwd);
```

```
        }catch (ClassNoteFoundException e) {
```

```
            System.out.println(e); {
```

```
        }catch (SQLException e) {
```

```
            System.out.println(e);
```

```
    }  
}
```

```
    public Connection getConnection() {  
        return this.connection;  
    }
```

```
    public void closeConnection() throws SQLException {  
        if (this.connection != null)  
            this.connection.close();  
    }
```

```
}
```

**config.propets:**

url=jdbc:mysql://localhost:3306/ecommerce

userid=root

password=narigenavya@1699

**JDBCinit.java:**

```
package com.simpli;
```

```
import java.io.*;
```

```
import java.sql.*;
```

```
import java.util.Properties;
```

```

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.*;

@WebServlet("/statement-demo")

public class JDBCStatementDemo extends HttpServlet {

    private static final long serialVersionUID = 1L;

    Connection connection = null;

    @Override

    public void init() throws ServletException {

        super.init();

        // Load the DB properties from the config file

        InputStream in = getServletContext().getResourceAsStream("config.properties");

        Properties props = new Properties();

        try {

            props.load(in);

        } catch (IOException e) {

            System.out.println(e);

        }

        DBUtil dbutil = new DBUtil(props.getProperty("url"), props.getProperty("userid"),
            props.getProperty("password"));

        connection = dbutil.getConnection();

        System.out.println("DB Connection initialized successfully!.<br>");

    }

    // //dbutil.closeConnection(); //

    PrintStream out;

    out.println("DB Connection closed.<br>")

```

```
        out.println("<body></html>");  
    }  
}
```

**Output:**

