

SSN COLLEGE OF ENGINEERING, KALAVAKKAM
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Internet Programming Lab – CS6512
Programming Assignment 5 – DatabaseServlet using Apache Tomcat Server

Write index.html to display form with a submit button. Set the method attribute of the form to “get” to generate GET request to the server. Write a java servlet to display the records of the table when the button is clicked. Write also the configuration file, namely, web.xml which maps the url mapped to the servlet class file.

Follow the directory structure for creating DatabaseServlet Web application and follow the guidelines below to configure and deploy web application.

CODE

index.html

```
<html>
<body>
<form action="Welcome" method="get">
<label>Click this <input type="submit">
</input>
<label>
</form>
</body>
</html>
```

ipdb.java

```
import java.io.*;
import javax.servlet.*;
import javax.servlet.http.*;
import java.sql.*;

public class ipdb extends HttpServlet {

    public void doGet(HttpServletRequest request, HttpServletResponse response)
        throws IOException, ServletException {

        response.setContentType("text/html");

        PrintWriter out = response.getWriter();

        Connection con;
```

```

Statement stmt;
ResultSet rs;

String url="jdbc:mysql://localhost:3306/library";
String user="root";
String pass="vaishu";

out.println("<html>");
out.println("<head><title>Data, World</title></head>");
out.println("<body>");

    try{
        Class.forName("com.mysql.jdbc.Driver");
        con=DriverManager.getConnection(url,user,pass);

        String sql;
        sql="select * from book";

        stmt=con.createStatement();
        rs=stmt.executeQuery(sql);
        while(rs.next())
        {
            out.println("<p>"+rs.getString(1)+"    "+rs.getInt(2)+"</p>");
        }
    }catch(ClassNotFoundException ex){
        out.println("<p>class error"+ex.getMessage()+"</p>");
    }
    catch(SQLException ex){
        out.println("<p>sql error"+ex.getMessage()+"</p>");
    }

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

```

web.xml

```

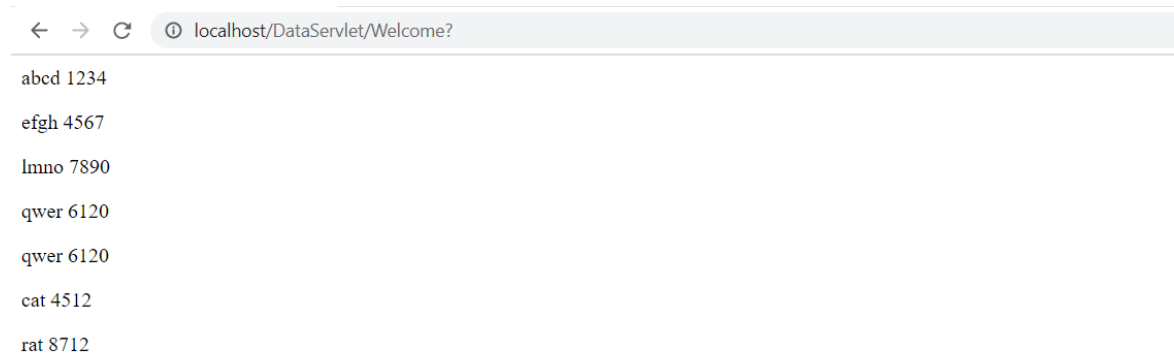
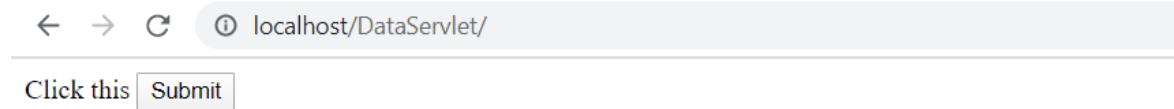
<web-app>
    <servlet>
        <servlet-name>DataServlet</servlet-name>
        <servlet-class>ipdb</servlet-class>
    </servlet>
<servlet-mapping>
    <servlet-name>DataServlet</servlet-name>

```

```
<url-pattern>/Welcome</url-pattern>
</servlet-mapping>

</web-app>
```

OUTPUT:



```
mysql> use library;  
Database changed  
mysql> select * from book;
```

| b_name | b_id | avl |
|--------|------|-----|
| abcd | 1234 | 0 |
| efgh | 4567 | 0 |
| lmno | 7890 | 0 |
| qwer | 6120 | 1 |
| qwer | 6120 | 1 |
| cat | 4512 | 1 |
| rat | 8712 | 1 |

```
7 rows in set (0.00 sec)
```

```
mysql>
```
