5.Demonstrate how to create, select, and drop a database in JDBC.

Index.html:

```
<!DOCTYPE html>
<html>
<head>
<meta charset="UTF-8">
<title>JDBC Datbase Operations</title>
</head>
<body>
<a href="DBoperation">Database Operations</a><br>

</body>
</html>
```

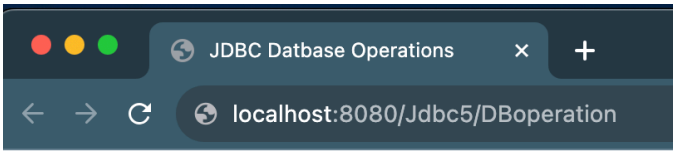
Servlet code:

```
package Abc;

import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.math.BigDecimal;
import java.sql.CallableStatement;
import java.sql.ResultSet;
import java.sql.SQLException;
import java.sql.Statement;
import java.util.Properties;

import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;

import com.DBconnection;

@WebServlet("/DBOperation")
public class DBoperation extends HttpServlet {
```

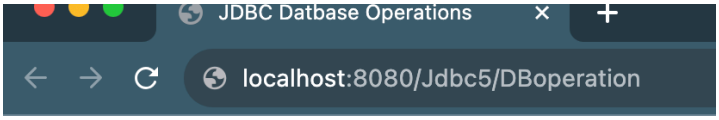
```
    private static final long serialVersionUID = 1L;

    protected void doGet(HttpServletRequest request, HttpServletResponse
response)
            throws ServletException, IOException {
        // TODO Auto-generated method stub

        try {
            PrintWriter out = response.getWriter();
            out.println("<html><body>");

            InputStream in = getServletContext().getResourceAsStream("/
WEB-INF/config.properties");
            Properties props = new Properties();
            props.load(in);

            DBconnection conn = new DBconnection(props.getProperty("url"),
props.getProperty("userid"),
                    props.getProperty("password"));
            Statement stmt = conn.getConnection().createStatement();
            stmt.executeUpdate("create database mydatabase");
            out.println("created database:<br>");
            stmt.executeUpdate("use mydatabase");
            out.println("selected database<br>");
            stmt.executeUpdate("drop database mydatabase");
            stmt.close();
            out.println("drop database<br>");

            conn.closeConnection();

            out.println("</body></html>");
            conn.closeConnection();

        } catch (ClassNotFoundException e) {
            e.printStackTrace();
        } catch (SQLException e) {
            e.printStackTrace();
        }
    }
}
```

Database connection

```
package Abc;

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

public class DBconnection {

    private Connection connection;

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

        Class.forName("com.mysql.jdbc.Driver");
        this.connection = DriverManager.getConnection(dbURL, user, pwd);
    }

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

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



Database Operations



create database

select database

drop database