1.Demonstrate a project to set up JDBC environment.

Servlet

```
package jdbcInit;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.DriverManager;

import java.sql.SQLException;


import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;


@WebServlet("/init")

public class JDBCInit extends HttpServlet {

	private static final long serialVersionUID = 1L;


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


		try {

			// sTEP 1 LOAD THE JDBC DRIVER

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


			// STEP 2 GET THE CONNECTION TO THE DATABSE

DriverManager.getConnection("jdbc:mysql://localhost:3306/ecommerce", "root",
"8143303511@Sri");
```

```
                    //
                     PrintWriter out = response.getWriter();
                out.println("SUCCESS!!");



            } catch (ClassNotFoundException | SQLException e) {


            }
        }
}
```

Index.html

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

OUTPUT

2.Demonstrate a project to set up JDBC environment.(Unassisted Practice)

```
package jdbcInit;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.DriverManager;

import java.sql.SQLException;



import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;



@WebServlet("/init")

public class JDBCInit extends HttpServlet {

	private static final long serialVersionUID = 1L;



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



		try {

			// sTEP 1 LOAD THE JDBC DRIVER

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



			// STEP 2 GET THE CONNECTION TO THE DATABSE


DriverManager.getConnection("jdbc:mysql://localhost:3306/ecommerce", "root",
"8143303511@Sri");
```

```
                    //
                     PrintWriter out = response.getWriter();
                out.println("SUCCESS!!");



            } catch (ClassNotFoundException | SQLException e) {


            }
        }
}
```

Index.html

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

OUTPUT

3.Demonstrate Connection, Statement, and ResultSet in JDBC.

Index.html

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

<a href="statement-demo">Execute Query Demo (retrieve eproduct table
rows)</a><br>
```

JDBCInit servlet

```
package jdbcInit;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.DriverManager;

import java.sql.SQLException;



import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;



@WebServlet("/init")

public class JDBCInit extends HttpServlet {

	private static final long serialVersionUID = 1L;



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



		try {

			// sTEP 1 LOAD THE JDBC DRIVER
```

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



                // STEP 2 GET THE CONNECTION TO THE DATABSE


DriverManager.getConnection("jdbc:mysql://localhost:3306/ecommerce", "root",
"8143303511@Sri");
                  PrintWriter out = response.getWriter();

            out.println("SUCCESS!!");


          } catch (ClassNotFoundException | SQLException e) {



          }
    }

}
```

DBUtil Servlet

```
package jdbcInit;

import java.sql.*;

public class DBUtil {
    Connection connection = null;

    public DBUtil(String dbURL, String user, String pwd) {
        try {
            // STEP 1 LOAD THE JDBC DRIVER
            Class.forName("com.mysql.jdbc.Driver");

            // STEP 2 GET THE CONNECTION TO THE DATABSE
            connection = DriverManager.getConnection(dbURL, user, pwd);

        } catch (ClassNotFoundException | 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.properties

```
url=jdbc:mysql://localhost:3306/ecommerce
userid=root
password=8143303511@Sri
```

JDBCStatementDemo

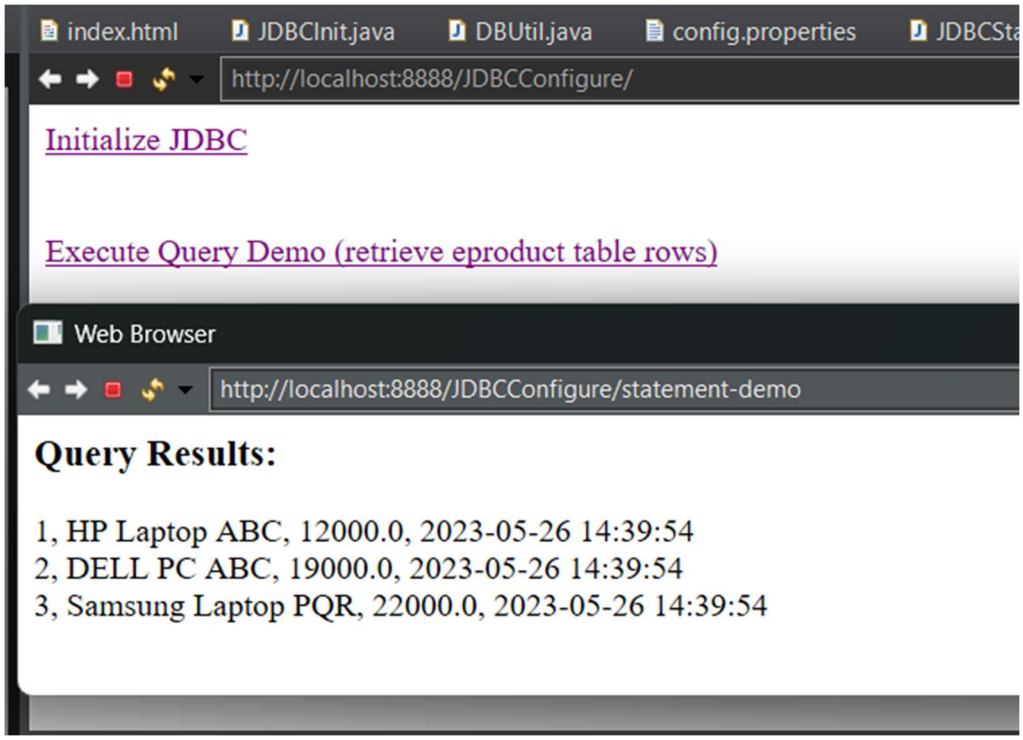
```
package jdbcInit;
import java.io.*;
import java.sql.*;
import java.util.*;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

@WebServlet("/statement-demo")
public class JDBCStatementDemo extends HttpServlet {
	private static final long serialVersionUID = 1L;

	DBUtil dbutil = null;

	@Override
	public void init() throws ServletException {
		super.init();

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

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

		} catch (IOException e) {
			e.printStackTrace();
		}
	}

	protected void doGet(HttpServletRequest request, HttpServletResponse
response)
			throws ServletException, IOException {
	  PrintWriter out = response.getWriter();
	out.println("<html><body>");

	  // Get a DB connection
	  Connection connection = dbutil.getConnection();

	  // STEP 3 Create the Statement object.
	  try {
			// STEP 3 Create the Statement object.
```

```
                    Statement stmt =
connection.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR
_READ_ONLY);

                    ResultSet  rs = stmt.executeQuery("SELECT * FROM
eproduct");

                    out.println("<h3> Query Results:</h3>");
                    while(rs.next()) {
                          int ID = rs.getInt("ID");
                          String name = rs.getString("name");
                          float price = rs.getFloat("price");
                          String date_added = rs.getString("date_added");

                          out.println(ID + ", "+name + ", "+price + ",
"+date_added + "<br>");
                    }

              } catch (SQLException e) {
                    e.printStackTrace();
              }
}
      @Override
      public void destroy() {
            super.destroy();
            try {
                  dbutil.closeConnection();
            } catch (SQLException e) {

                  e.printStackTrace();
            }
      }
}
```

SQLQUERY

```
create database ecommerce;

use ecommerce;
CREATE TABLE eproduct
(ID bigint primary key auto_increment, name varchar(100), price decimal(10,2), date_added timestamp
default
now());

INSERT INTO eproduct(name,price) values('HP Laptop ABC', 12000);
INSERT INTO eproduct(name,price) values('DELL PC ABC', 19000);
INSERT INTO eproduct(name,price) values('Samsung Laptop PQR', 22000);
```

OUTPUT


index.html
JDBCInit.java
DBUtil.java
config.properties
http://localhost:8888/JDBCConfigure/
Initialize JDBC
Execute Query Demo (retrieve eproduct table rows)
Web Browser
http://localhost:8888/JDBCConfigure/statement-demo
Query Results:
1, HP Laptop ABC, 12000.0, 2023-05-26 14:39:54
2, DELL PC ABC, 19000.0, 2023-05-26 14:39:54
3, Samsung Laptop PQR, 22000.0, 2023-05-26 14:39:54

4.Demonstrate stored procedures and exception handling in JDBC.

SQL QUERY

```
create database ecommerce;

use ecommerce;
CREATE TABLE eproduct
(ID bigint primary key auto_increment, name varchar(100), price decimal(10,2), date_added timestamp
default
now());

INSERT INTO eproduct(name,price) values('HP Laptop ABC', 12000);
INSERT INTO eproduct(name,price) values('DELL PC ABC', 19000);
INSERT INTO eproduct(name,price) values('Samsung Laptop PQR', 22000);

DELIMITER $$
CREATE PROCEDURE add_product(IN pname varchar(100), IN pprice decimal(10,2))
INSERT INTO eproduct (name, price) VALUES (pname, pprice)
$$
DELIMITER ;

CALL add_product("HP Gaming Laptop 2", 200000.0);
```

Index.html

```
<a href="init">Initialize JDBC</a><br>
<br>
<a href="statement-demo">Execute Query Demo (retrieve eproduct table
rows)</a><br>

<br><br>
<a href="callable-statement-demo">Execute Callable Statement to add one new
product</a><br>
```

JDBCInit servlet

```
package jdbcInit;

import java.io.IOException;

import java.io.PrintWriter;
```

```java
import java.sql.DriverManager;

import java.sql.SQLException;



import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;



@WebServlet("/init")

public class JDBCInit extends HttpServlet {

	private static final long serialVersionUID = 1L;



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



		try {

			// sTEP 1 LOAD THE JDBC DRIVER

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



			// STEP 2 GET THE CONNECTION TO THE DATABSE


DriverManager.getConnection("jdbc:mysql://localhost:3306/ecommerce", "root",
"8143303511@Sri");
				PrintWriter out = response.getWriter();

		  out.println("SUCCESS!!");


		} catch (ClassNotFoundException | SQLException e) {



		}
	}

}
```

DBUtil Servlet

```
package jdbcInit;

import java.sql.*;

public class DBUtil {
	Connection connection = null;

	public DBUtil(String dbURL, String user, String pwd) {
		try {
			// STEP 1 LOAD THE JDBC DRIVER
			Class.forName("com.mysql.jdbc.Driver");

			// STEP 2 GET THE CONNECTION TO THE DATABSE
			connection = DriverManager.getConnection(dbURL, user, pwd);

		} catch (ClassNotFoundException | 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.properties

```
url=jdbc:mysql://localhost:3306/ecommerce
userid=root
password=8143303511@Sri
```

JDBCStatementDemo

```
package jdbcInit;
import java.io.*;
import java.sql.*;
import java.util.*;
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;
```

```
	DBUtil dbutil = null;

	@Override
	public void init() throws ServletException {
		super.init();

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

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

		} catch (IOException e) {
			e.printStackTrace();
		}
	}

	protected void doGet(HttpServletRequest request, HttpServletResponse
response)
			throws ServletException, IOException {
		  PrintWriter out = response.getWriter();
	    out.println("<html><body>");

		// Get a DB connection
		Connection connection = dbutil.getConnection();

		// STEP 3 Create the Statement object.
		try {
			// STEP 3 Create the Statement object.
			Statement stmt =
connection.createStatement(ResultSet.TYPE_SCROLL_INSENSITIVE,ResultSet.CONCUR
_READ_ONLY);

			ResultSet  rs = stmt.executeQuery("SELECT * FROM
eproduct");

			out.println("<h3> Query Results:</h3>");
			while(rs.next()) {
				int ID = rs.getInt("ID");
				String name = rs.getString("name");
				float price = rs.getFloat("price");
				String date_added = rs.getString("date_added");

				out.println(ID + ", "+name + ", "+price + ",
"+date_added + "<br>");
			}

		} catch (SQLException e) {
			e.printStackTrace();
		}
}
	@Override
	public void destroy() {
```

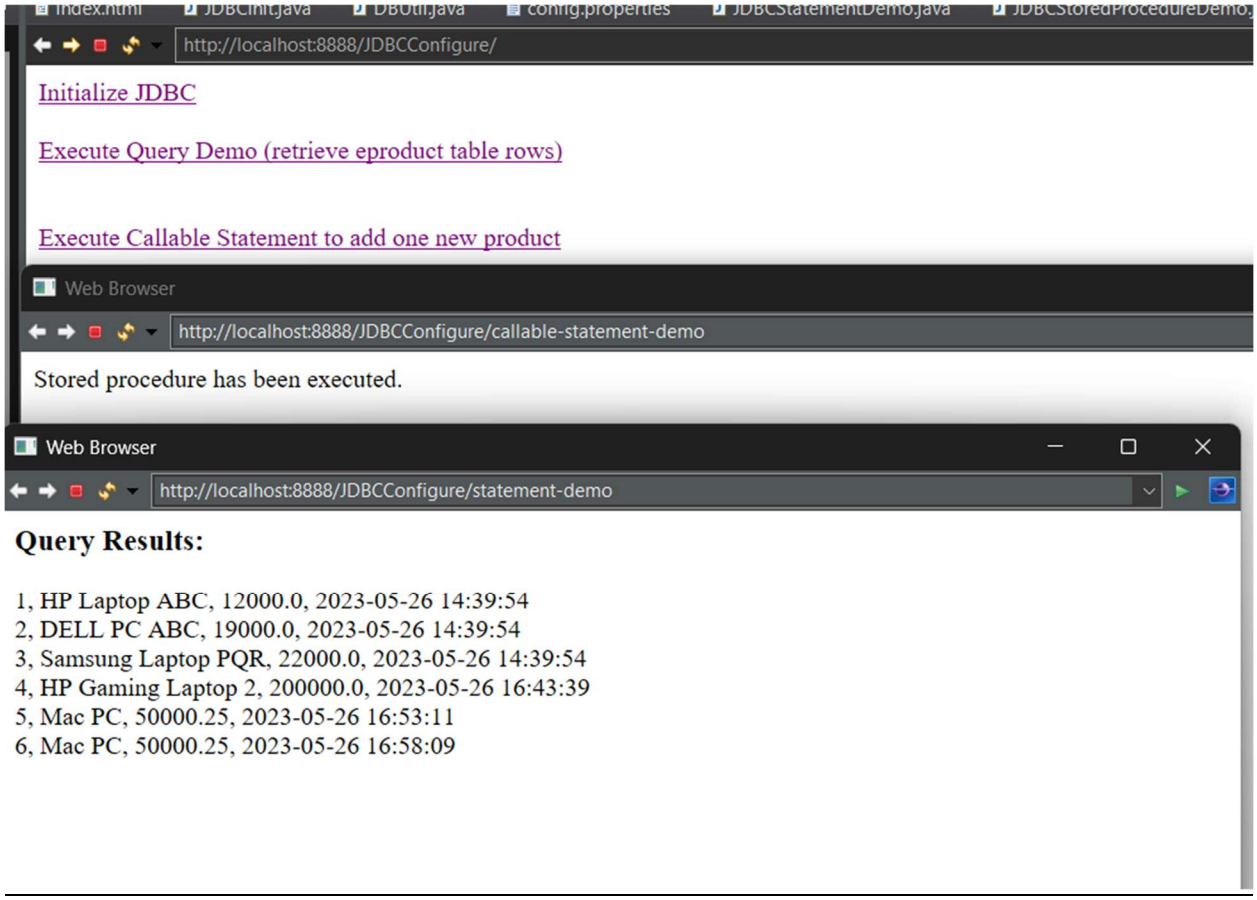
```
            super.destroy();
            try {
                  dbutil.closeConnection();
            } catch (SQLException e) {

                  e.printStackTrace();
            }
      }
}
```

JDBCStoredProcedureDemo

```
package jdbcInit;
import java.io.IOException;
import java.io.InputStream;
import java.io.PrintWriter;
import java.sql.*;
import java.util.*;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

@WebServlet("/callable-statement-demo")
public class JDBCStoredProcedureDemo extends HttpServlet {
      private static final long serialVersionUID = 1L;

      DBUtil dbutil = null;

      @Override
      public void init() throws ServletException {
            super.init();

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

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

            } catch (IOException e) {
                  e.printStackTrace();
            }
      }
protected void doGet(HttpServletRequest request, HttpServletResponse
response)
                  throws ServletException, IOException {
            PrintWriter out = response.getWriter();
            out.println("<html><body>");

            // Get a DB connection
            Connection connection = dbutil.getConnection();

            // STEP 3 Create the Statement object.
```

```
            try {
                  // STEP 3 Create the Prepared Statement object.
                  CallableStatement callableStmt =
connection.prepareCall("{call add_product(?, ?)}");

                  callableStmt.setString(1, "Mac PC");
                  callableStmt.setFloat(2, 50000.25f);

                  callableStmt.execute();

                  out.println("Stored procedure has been executed.<Br>");
                  callableStmt.close();

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

      }
@Override
      public void destroy() {
            super.destroy();
            try {
                  dbutil.closeConnection();
            } catch (SQLException e) {

                  e.printStackTrace();
            }
      }

}
```

OUTPUT


index.html
JDBCInit.java
DBUtil.java
config.properties
JDBCStatementDemo.java
JDBCStoredProcedureDemo.
http://localhost:8888/JDBCConfigure/
Initialize JDBC
Execute Query Demo (retrieve eproduct table rows)
Execute Callable Statement to add one new product
Web Browser
http://localhost:8888/JDBCConfigure/callable-statement-demo
Stored procedure has been executed.
Web Browser
http://localhost:8888/JDBCConfigure/statement-demo
Query Results:
1, HP Laptop ABC, 12000.0, 2023-05-26 14:39:54
2, DELL PC ABC, 19000.0, 2023-05-26 14:39:54
3, Samsung Laptop PQR, 22000.0, 2023-05-26 14:39:54
4, HP Gaming Laptop 2, 200000.0, 2023-05-26 16:43:39
5, Mac PC, 50000.25, 2023-05-26 16:53:11
6, Mac PC, 50000.25, 2023-05-26 16:58:09

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

Index.html

```
<a href="init">Initialize JDBC</a><br>
<br>
<a href="statement-demo">Execute Query Demo (retrieve eproduct table
rows)</a><br>

<br><br>
<a href="create-drop-database-demo">Create a new database SAMPLE1</a><br>
```

SQL QUERY

```
create database ecommerce;

use ecommerce;
CREATE TABLE eproduct
(ID bigint primary key auto_increment, name varchar(100), price decimal(10,2), date_added timestamp
default
now());

INSERT INTO eproduct(name,price) values('HP Laptop ABC', 12000);
INSERT INTO eproduct(name,price) values('DELL PC ABC', 19000);
INSERT INTO eproduct(name,price) values('Samsung Laptop PQR', 22000);
```

JDBCInit servlet

```
package jdbcInit;

import java.io.IOException;

import java.io.PrintWriter;

import java.sql.DriverManager;

import java.sql.SQLException;


import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;
```

```
import javax.servlet.http.HttpServletResponse;



@WebServlet("/init")

public class JDBCInit extends HttpServlet {

	private static final long serialVersionUID = 1L;



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



		try {

			// sTEP 1 LOAD THE JDBC DRIVER

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



			// STEP 2 GET THE CONNECTION TO THE DATABSE


DriverManager.getConnection("jdbc:mysql://localhost:3306/ecommerce", "root",
"8143303511@Sri");
				PrintWriter out = response.getWriter();

			out.println("SUCCESS!!");


		} catch (ClassNotFoundException | SQLException e) {



		}
	}

}
```

DBUtil Servlet

```
package jdbcInit;

import java.sql.*;

public class DBUtil {
	Connection connection = null;

	public DBUtil(String dbURL, String user, String pwd) {
		try {
```

```
                    // STEP 1 LOAD THE JDBC DRIVER
                    Class.forName("com.mysql.jdbc.Driver");

                    // STEP 2 GET THE CONNECTION TO THE DATABSE
                    connection = DriverManager.getConnection(dbURL, user, pwd);

              } catch (ClassNotFoundException | 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.properties

```
url=jdbc:mysql://localhost:3306/ecommerce
userid=root
password=8143303511@Sri
```

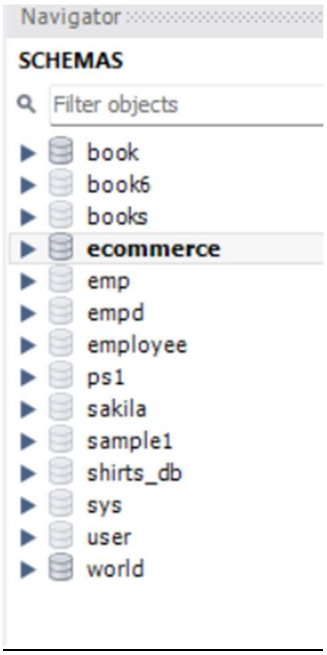
CreateDropDatabaseDemo servlet

```
package jdbcInit;
import java.io.*;
import java.sql.*;
import java.util.*;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

@WebServlet("/create-drop-database-demo")
public class CreateDropDatabaseDemo extends HttpServlet {
        private static final long serialVersionUID = 1L;

        DBUtil dbutil = null;

        @Override
        public void init() throws ServletException {
                super.init();

                InputStream in = getServletContext().getResourceAsStream("/WEB-
INF/config.properties");
```

```
                Properties props = new Properties();
                try {
                        props.load(in);

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

                } catch (IOException e) {
                        e.printStackTrace();
                }
        }
protected void doGet(HttpServletRequest request, HttpServletResponse response)
                        throws ServletException, IOException {
                PrintWriter out = response.getWriter();
                out.println("<html><body>");

                // Get a DB connection
                Connection connection = dbutil.getConnection();

                try {
                        // STEP 3 Create the Statement object.
                        Statement stmt = connection.createStatement();

        stmt.execute("CREATE DATABASE SAMPLE1");
                        out.println("Created database: SAMPLE1<br>");
                        stmt.execute("USE SAMPLE1");
                        stmt.execute("CREATE TABLE TABLE1(name varchar(20))");
                        out.println("Created TABLE: TABLE1 inside SAMPLE1<br>");

                        // delete the table
                        stmt.execute("USE SAMPLE1");
                stmt.execute("DROP TABLE TABLE1");
                        out.println("Dropped TABLE: TABLE1 from SAMPLE1");
                        // delete database
                        stmt.execute("DROP DATABASE SAMPLE1");
                        out.println("Dropped database SAMPLE1");
                } catch (SQLException e) {
                        e.printStackTrace();
                }
        }

        @Override
        public void destroy() {
                super.destroy();
                try {
                        dbutil.closeConnection();
                } catch (SQLException e) {
```

```
                    e.printStackTrace();
                }
        }

}
```

OUTPUT: -


Navigator
SCHEMAS
Filter objects
book
book6
books
ecommerce
emp
empd
employee
ps1
sakila
sample1
shirts_db
sys
user
world


http://localhost:8888/JDBCConfigure/
Initialize JDBC
Execute Query Demo (retrieve eproduct table rows)
Create a new database SAMPLE1
Web Browser
http://localhost:8888/JDBCConfigure/create-drop-database-demo
Dropped TABLE: TABLE1 from SAMPLE1

6.Demonstrate Insertion, Updation, and Deletion of Database Records using JDBC.

Index.html

```
<!DOCTYPE html>
<html>
<head>
    <title>Database Operations</title>
</head>
<body>
    <h1>Insertion</h1>
    <form action="InsertServlet" method="post">
        <input type="text" name="name" placeholder="Name" required>
        <input type="text" name="email" placeholder="Email" required>
        <input type="submit" value="Insert">
    </form>

    <h1>Updation</h1>
    <form action="update" method="post">
        <input type="text" name="id" placeholder="ID" required>
        <input type="text" name="email" placeholder="New Email" required>
        <input type="submit" value="Update">
    </form>

    <h1>Deletion</h1>
    <form action="delete" method="Post">
        <input type="text" name="id" placeholder="ID" required>
        <input type="submit" value="Delete">
    </form>
</body>
</html>
```

Sql Query

```
create database details;
use details;
create table profiles(
id int primary key auto_increment,name varchar(36),email varchar(50));
describe profiles;
select * from profiles;
```

InsertServlet:

```
package inupde;
import java.io.IOException;
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 java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
@WebServlet("/InsertServlet")
public class InsertServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
            throws ServletException, IOException {
        String url = "jdbc:mysql://localhost:3306/details";
        String username = "root";
        String password = "8143303511@Sri";

        String name = request.getParameter("name");
        String email = request.getParameter("email");

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection connection = DriverManager.getConnection(url,
username, password);
            String insertQuery = "INSERT INTO profiles (name, email) VALUES
(?, ?)";
            PreparedStatement preparedStatement =
connection.prepareStatement(insertQuery);
            preparedStatement.setString(1, name);
            preparedStatement.setString(2, email);
            int rowsAffected = preparedStatement.executeUpdate();
            response.getWriter().println(rowsAffected + " record(s) inserted
successfully.");
            connection.close();
        } catch (SQLException |ClassNotFoundException e) {
            e.printStackTrace();
        }
    }
}
```

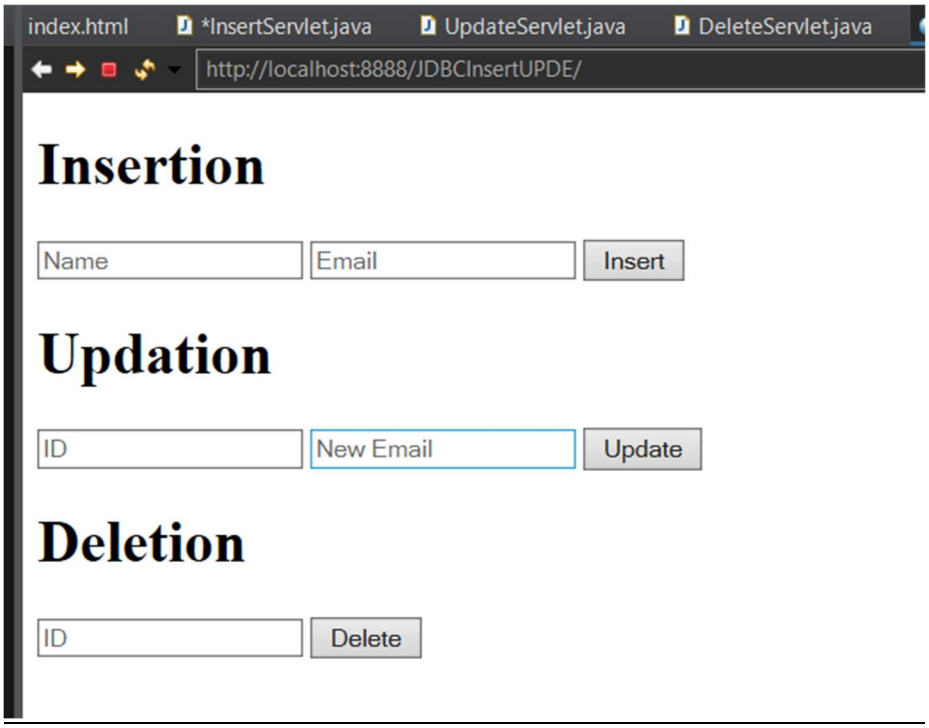
UpdateServlet

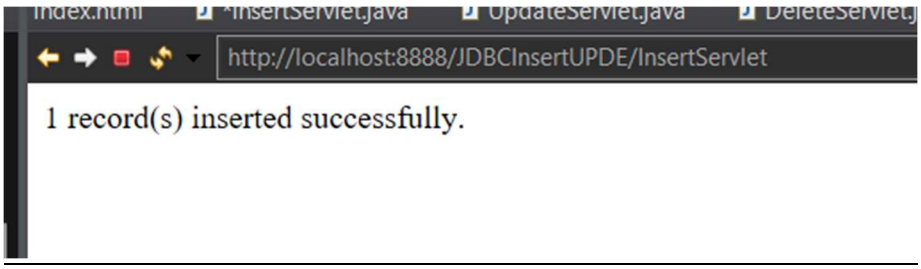
```
package inupde;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;
import javax.servlet.ServletException;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
@WebServlet("/update")
public class UpdateServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
            throws ServletException, IOException {
       String url = "jdbc:mysql://localhost:3306/details";
         String username = "root";
         String password = "8143303511@Sri";

        int id = Integer.parseInt(request.getParameter("id"));
        String newEmail = request.getParameter("email");

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection connection = DriverManager.getConnection(url,
username, password);
            String updateQuery = "UPDATE profiles SET email = ? WHERE id =
?";
            PreparedStatement preparedStatement =
connection.prepareStatement(updateQuery);
            preparedStatement.setString(1, newEmail);
            preparedStatement.setInt(2, id);
            int rowsAffected = preparedStatement.executeUpdate();
            response.getWriter().println(rowsAffected + " record(s) updated
successfully.");
            connection.close();
        } catch (SQLException |ClassNotFoundException e) {
            e.printStackTrace();
        }
    }
}
```

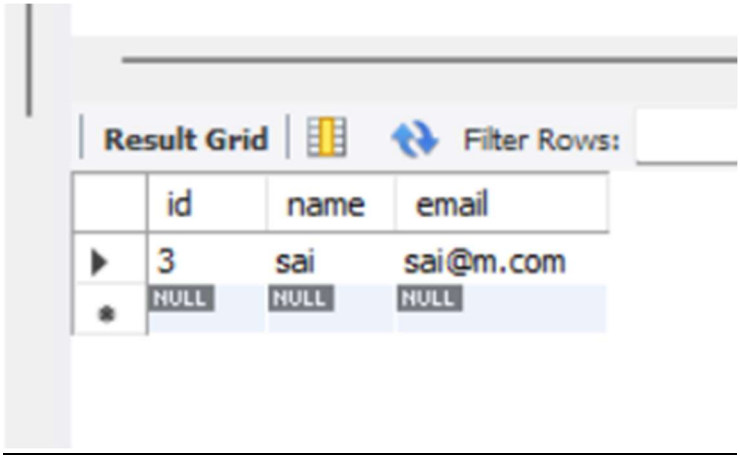
DeleteServlet

```
package inupde;

import java.io.IOException;
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.PreparedStatement;
import java.sql.SQLException;

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

@WebServlet("/delete")
public class DeleteServlet extends HttpServlet {
    private static final long serialVersionUID = 1L;

    protected void doPost(HttpServletRequest request, HttpServletResponse
response)
            throws ServletException, IOException {
       String url = "jdbc:mysql://localhost:3306/details";
         String username = "root";
         String password = "8143303511@Sri";

        int id = Integer.parseInt(request.getParameter("id"));

        try {
            Class.forName("com.mysql.jdbc.Driver");
            Connection connection = DriverManager.getConnection(url,
username, password);
            String deleteQuery = "DELETE FROM profiles WHERE id = ?";
            PreparedStatement preparedStatement =
connection.prepareStatement(deleteQuery);
            preparedStatement.setInt(1, id);
            int rowsAffected = preparedStatement.executeUpdate();
            response.getWriter().println(rowsAffected + " record(s) deleted
successfully.");
            connection.close();
        } catch (SQLException |ClassNotFoundException e) {
            e.printStackTrace();
        }
    }
}
```

OUTPUTS


index.html
*InsertServlet.java
UpdateServlet.java
DeleteServlet.java
http://localhost:8888/JDBCInsertUPDE/
Insertion
Name
Email
Insert
Updation
ID
New Email
Update
Deletion
ID
Delete


http://localhost:8888/JDBCInsertUPDE/InsertServlet
1 record(s) inserted successfully.


Result Grid
Filter Rows:
id
name
email
3
sai
sai@m.com
NULL
NULL
NULL