DATABASE MANAGEMENT OF ELECTION



SUBMITTED

TO

VISHWAKARMA INSTITUTE OF INFORMATION TECHNOLOGY, PUNE

FOR THE JAVA PROJECT

IN

**INFORMATION TECHNOLOGY**

BY

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### INTRODUCTION TO MINI PROJECT:

### (DATABASE MANAGEMENT OF ELECTION )

### PART 3

This project is based on a simple election management system which takes the input as voters info and his vote and Admin Login to show the winner of election using Java Servlets, HTML, and JavaScript concepts.

**HTML**

HTML (HyperText Markup Language) is the most basic building block of the Web. It defines the meaning and structure of web content.

Hypertext" refers to links that connect web pages to one another, either within a single website or between websites. Links are a fundamental aspect of the Web. By uploading content to the Internet and linking it to pages created by other people, you become an active participant in the World Wide Web.

HTML uses "markup" to annotate text, images, and other content for display in a Web browser. HTML markup includes special "elements" such as <head>, <title>, <body>.

**HTML FORMS**

HTML Forms are required, when you want to collect some data from the site visitor. For example, during user registration you would like to collect information such as name, email address, credit card, etc.

A form will take input from the site visitor and then will post it to a back-end application such as CGI, ASP Script or PHP script etc. The back-end application will perform required processing on the passed data based on defined business logic inside the application.

There are various form elements available like text fields, textarea fields, drop-down menus, radio buttons, checkboxes, etc.

The HTML <form> tag is used to create an HTML form.

HTML Form Controls

There are different types of form controls that you can use to collect data using HTML form −

* Text Input Controls
* Checkboxes Controls
* Radio Box Controls
* Select Box Controls
* File Select boxes
* Hidden Controls
* Clickable Buttons
* Submit and Reset Button

**Form validation using HTML and JavaScript**

Forms are used in webpages for the user to enter their required details that are further send it to the server for processing. A form is also known as web form or HTML form. Examples of form use are prevalent in e-commerce websites, online banking, online surveys to name a few.

**Validating a form :**

The data entered into a form needs to be in the right format and certain fields need to be filled in order to effectively use the submitted form. Username, password, contact information are some details that are mandatory in forms and thus need to be provided by the user.

Below is a code in HTML, CSS and JavaScript to validate a form .

* HTML is used to create the form.
* JavaScript to validate the form.
* CSS to design the layout of the form.

**Java Servlets:**

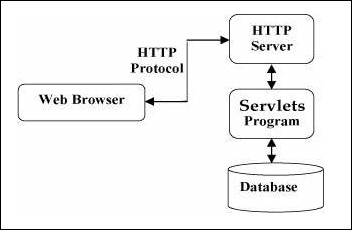
Servlets provide a component-based, platform-independent method for building Web based applications, without the performance limitations of CGI programs. Servlets have access to the entire family of Java APIs, including the JDBC API to access enterprise databases. This tutorial will teach you how to use Java Servlets to develop your web based applications in simple and easy steps.

Java Servlets are programs that run on a Web or Application server and act as a middle layer between a requests coming from a Web browser or other HTTP client and databases or applications on the HTTP server.

Using Servlets, you can collect input from users through web page forms, present records from a database or another source, and create web pages dynamically.

Java Servlets often serve the same purpose as programs implemented using the Common Gateway Interface (CGI). But Servlets offer several advantages in comparison with the CGI.

* Performance is significantly better.
* Servlets execute within the address space of a Web server. It is not necessary to create a separate process to handle each client request.
* Servlets are platform-independent because they are written in Java.
* Java security manager on the server enforces a set of restrictions to protect the resources on a server machine. So servlets are trusted.
* The full functionality of the Java class libraries is available to a servlet. It can communicate with applets, databases, or other software via the sockets and RMI mechanisms that you have seen already.



Java Servlets are Java classes run by a web server that has an interpreter that supports the Java Servlet specification.

Servlets can be created using the **javax.servlet** and **javax.servlet.http** packages, which are a standard part of the Java's enterprise edition, an expanded version of the Java class library that supports large-scale development projects.

**Java Web Application**

Java Web Application is used to create dynamic websites. Java provides support for web application through Servlets and JSPs. We can create a website with static HTML pages but when we want information to be dynamic, we need web application.

We will use “Eclipse IDE for Java EE Developers” for creating our first servlet application. Since servlet is a server-side technology, we will need a web container that supports Servlet technology, so we will use the Apache Tomcat server.

Java web applications are typically not running directly on the server. Java web applications are running inside a web container on the server.

The container provides a runtime environment for Java web applications. The container is for Java web applications what the JVM (Java Virtual Machine) is for local running Java applications. The container itself runs in the JVM.

In general, Java distinguishes two containers: the web container and the Java EE container. Typical web containers in the Java world are Tomcat or Jetty. A web container supports the execution of Java servlets and JavaServer Pages(JSP). A Java EE container supports additional functionality, for example, distribution of server load.

**Programs:**

**A. HTML PART**

**1. Start.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<style>

**input**{

font-family: *arial, sans-serif*;

padding-top: *10px*;

padding-right: *20px*;

padding-bottom: *10px*;

padding-left: *20px*;

}

**h1**{

font-family: *arial, sans-serif*;

padding-left: *400px*;

}

**b**{

font-family: *arial, sans-serif*;

padding-left: *260px*;

}

</style>

<body >

<h1> Welcome </h1>

<h2><b>This is Election Management system </b></h2>

<br><br>

<form action = *'Voter\_.html'* >

<b> For Voter </b>

<br><br><br><br>

<b><input type=*"submit"* value=*"Voter click Here"* /></b>

<br><br><br><br>

</form>

<form action = *'Admin\_.html'* >

<b> For Admin </b>

<br><br><br><br>

<b><input type=*"submit"* value=*"Admin click here"* /></b>

<br><br><br><br>

</form>

<br>

<br>

THANK YOU <br><br><br>

</body>

</html>

**2. Voter.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<style>

**input**{

font-family: *arial, sans-serif*;

padding-top: *20px*;

padding-right: *40px*;

padding-bottom: *20px*;

padding-left: *40px*;

}

**h1**{

font-family: *arial, sans-serif*;

padding-left: *400px*;

}

**b**{

font-family: *arial, sans-serif*;

padding-left: *260px*;

}

**h3**{

font-family: *arial, sans-serif*;

padding-left: *180px*;

}

</style>

<body>

<h1> Welcome Voter </h1>

<h3>Please select one option </h3><br><br>

<form action = *'Insert.html'* >

<br>

<b><input type=*"submit"* value=*"Add your Information "* /></b>

<br>

<br>

</form>

<form action = *'Display.html'* >

<br>

<b><input type=*"submit"* value=*"View your Information"* /></b>

<br><br>

</form>

<form action = *'Vote.html'* >

<br>

<b><input type=*"submit"* value=*"Vote Here "* /></b>

<br><br>

</form>

<br>YOUR VOTE MATERS <br>

</body>

</html>

**3. Insert.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action = *"Insert\_D"*>

<h1>Register</h1>

<p>Please fill in this form .</p><br><br>

<hr>

<br><br>

<label ><b>Name</b></label>

<input type=*"text"* placeholder=*"V\_Name"* name=*"V\_Name"* required><br><br>

<br><br>

<label ><b>VoterID</b></label>

<input type=*"number"* placeholder=*"Voter\_ID"* name=*"Voter\_ID"* required><br><br>

<br><br>

<label ><b>AdharcardNo</b></label>

<input type=*"number"* placeholder=*"Adhar\_Id"* name=*"Adhar\_Id"* required><br><br>

<br><br>

<label ><b>Address</b></label>

<input type=*"text"* placeholder=*"Address"* name=*"Address"* required><br><br>

<br><br>

<label ><b>Sex</b></label>

<input type=*"text"* placeholder=*"Sex"* name=*"Sex"* required><br><br>

<br><br>

<label ><b>Age</b></label>

<input type=*"number"* placeholder=*"age"* name=*"age"* required><br><br>

<hr>

<br><br><br><br>

<button type=*"submit"* >Register</button>

</form>

</body>

</html>

**4. Display.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<h1>To View Your Information </h1>

<form action = *'Display\_D'* >

<b> For Voter </b>

<br><br><br><br>

<b><input type=*"submit"* value=*"click Here"* /></b>

<br><br><br><br>

</form>

</body>

</html>

**5. Vote.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<style>

**b**{

font-family: *arial, sans-serif*;

padding-left: *260px*;

}

</style>

<body>

<form action = *'Vote'* >

<h1><b> YOUR VOTE IS YOUR RIGHT </b></h1>

<br><br><br><br>

<br><br>

<label ><b>VoterID</b></label>

<input type=*"number"* placeholder=*"Voter\_ID"* name=*"Voter\_ID"* required><br><br>

<br><br>

<label ><b><b>VOTE</b></b><br><br><b><b>

1. MODI <br><br></b></b> <b><b>2.RAHUL <br><br></b></b> <b><b>3.SHAKTI <br><br></b></b> <b><b>4.LALU<br><br><br><br><br></b></b> </label>

<b><input type=*"number"* placeholder=*"Vote"* name=*"Vote"* required><br><br></b>

<b><input type=*"submit"* value=*"click Here"* /></b>

<br><br><br><br>

</form>

</body>

</html>

**6. Admin.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<style>

**input**{

font-family: *arial, sans-serif*;

padding-top: *10px*;

padding-right: *20px*;

padding-bottom: *10px*;

padding-left: *20px*;

}

**b**{

font-family: *arial, sans-serif*;

padding-left: *150px*;

}

</style>

<body>

<h1><b> Welcome Election Administrator </b> </h1>

<br>

Please Select your option<br>

<form action = *'Result.html'* >

<h3> See result </h3>

<b>

<br>

<b> <input type=*"submit"* value=*"Result"* /></b>

<br>

</b>

</form>

<form action = *'Update.html'* >

<h3> Update Voter's Data </h3>

<b>

<br>

<b><input type=*"submit"* value=*"Update"* /></b>

<br>

</b>

</form>

<form action = *'Delete.html'* >

<h3> Delete Voter's Data </h3>

<b>

<br>

<b><input type=*"submit"* value=*"Delete"* /></b>

<br>

</b>

</form>

<br><br><br><br>

THANK YOU <br><br><br>

</body>

</html>

**7. Result.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action = *'Result'* >

<b> TO SEE RESULT </b>

<br><br><br><br>

<b><input type=*"submit"* value=*"click Here"* /></b>

<br><br><br><br>

</form>

</body>

</html>

**8. Update.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action = *"Update\_D"*>

<h1>Update Your Information </h1>

<p>Please fill in this form .</p><br><br>

<hr>

<br><br>

<label ><b>Name</b></label>

<input type=*"text"* placeholder=*"V\_Name"* name=*"N\_V\_Name"* required><br><br>

<br><br>

<label ><b>VoterID</b></label>

<input type=*"number"* placeholder=*"Voter\_ID"* name=*"Voter\_ID"* required><br><br>

<br><br>

<label ><b>AdharcardNo</b></label>

<input type=*"number"* placeholder=*"Adhar\_Id"* name=*"N\_Adhar\_Id"* required><br><br>

<br><br>

<label ><b>Address</b></label>

<input type=*"text"* placeholder=*"Address"* name=*"N\_Address"* required><br><br>

<br><br>

<label ><b>Sex</b></label>

<input type=*"text"* placeholder=*"Sex"* name=*"N\_Sex"* required><br><br>

<br><br>

<label ><b>Age</b></label>

<input type=*"number"* placeholder=*"age"* name=*"N\_age"* required><br><br>

<hr>

<br><br><br><br>

<button type=*"submit"* >Update</button>

</form>

</body>

</html>

**9. Delete.html**

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

</head>

<body>

<form action = *'Delete\_D'* >

<br><br>

<label ><b>VoterID</b></label>

<input type=*"number"* placeholder=*"Voter\_ID"* name=*"Voter\_ID"* required><br><br>

<br><br>

<br><br><br><br>

<b><input type=*"submit"* value=*"click Here"* /></b>

<br><br><br><br>

</form>

</body>

</html>

**B. SERVLET PART:**

1. **Insert\_D.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Insert\_D

\*/

@WebServlet("/Insert\_D")

**public** **class** Insert\_D **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Insert\_D() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

String VoterID = request.getParameter("Voter\_ID");

String V\_Name = request.getParameter("V\_Name");

String Adhar\_Id = request.getParameter("Adhar\_Id");

String Address = request.getParameter("Address");

String Sex = request.getParameter("Sex");

String age = request.getParameter("age");

PrintWriter writer = response.getWriter();

String dbURL = "jdbc:mysql://localhost:3306/javaminp";

String username = "root";

String password = "Vaibhav@1257";

Connection conn = **null**;

**try** {

conn = DriverManager.getConnection(dbURL , username ,password);

**if**(conn != **null**) {

System.out.println("Connected");

}

String sql = "INSERT INTO voter\_data (VoterID, V\_Name, Adhar\_Id, Address, Sex, age) VALUES (?, ?, ?, ?, ? , ?)";

PreparedStatement statement = conn.prepareStatement( sql);

statement.setInt( 1, Integer.parseInt(VoterID));

statement.setString( 2, V\_Name);

statement.setInt( 3, Integer.parseInt(Adhar\_Id));

statement.setString( 4, Address);

statement.setString( 5, Sex);

statement.setInt( 6, Integer.parseInt(age));

**int** rowsInserted = statement.executeUpdate();

**if** (rowsInserted > 0) {

writer.println("A new user's data was inserted successfully !!");

}

**else** {

writer.println("FAIL!!");

}

}

**catch**(Exception e){ System.out.println(e);}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

1. **Display\_D.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Display\_D

\*/

@WebServlet("/Display\_D")

**public** **class** Display\_D **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Display\_D() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

PrintWriter writer = response.getWriter();

String dbURL = "jdbc:mysql://localhost:3306/javaminp";

String username = "root";

String password = "Vaibhav@1257";

Connection conn = **null**;

**try** {

conn = DriverManager.getConnection(dbURL , username ,password);

**if**(conn != **null**) {

System.out.println("Connected");

}

String q="Select \* from voter\_data";

PreparedStatement smt = conn.prepareStatement( q);

//to execute query

ResultSet rs=smt.executeQuery(q);

**if**(rs.next()){

**do**{

writer.println("<br><br>Name : " + rs.getString(2) + "<br><br> AdharNO : "+ rs.getInt(3) + "<br><br> Address: " + rs.getString(4) + "<br><br> Sex : " + rs.getString(5) + "<br><br> Age : " + rs.getInt(6) );

writer.println("<br><br>--------------------------------------------------------------------------------------------------------<br><br>");

}**while**(rs.next());

}

**else**{

System.out.println("Record Not Found...");

}

}

**catch**(Exception e){ System.out.println(e);}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

1. **Vote.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Vote

\*/

@WebServlet("/Vote")

**public** **class** Vote **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Vote() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

String Voter\_ID = request.getParameter("Voter\_ID");

String Vote = request.getParameter("Vote");

PrintWriter writer = response.getWriter();

String dbURL = "jdbc:mysql://localhost:3306/javaminp";

String username = "root";

String password = "Vaibhav@1257";

Connection conn = **null**;

**try** {

conn = DriverManager.getConnection(dbURL , username ,password);

**if**(conn != **null**) {

System.out.println("Connected");

}

String sql = "INSERT INTO election\_data (Voter\_ID, Vote) VALUES (?, ?)";

PreparedStatement statement = conn.prepareStatement( sql);

statement.setInt( 1, Integer.parseInt(Voter\_ID));

statement.setInt( 2, Integer.parseInt(Vote));

**int** rowsInserted = statement.executeUpdate();

**if** (rowsInserted > 0) {

writer.println("successfull !!");

}

}

**catch**(Exception e){ System.out.println(e);}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

1. **Result.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.ResultSet;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Result

\*/

@WebServlet("/Result")

**public** **class** Result **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Result() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

PrintWriter writer = response.getWriter();

String dbURL = "jdbc:mysql://localhost:3306/javaminp";

String username = "root";

String password = "Vaibhav@1257";

Connection conn = **null**;

**try** {

conn = DriverManager.getConnection(dbURL , username ,password);

**if**(conn != **null**) {

System.out.println("Connected");

}

String q="Select \* from election\_data";

PreparedStatement smt = conn.prepareStatement( q);

//to execute query

ResultSet rs=smt.executeQuery(q);

**int** M = 0 ;

**int** R = 0 ;

**int** S = 0 ;

**int** L = 0 ;

**while**(rs.next()) {

**int** V1 = rs.getInt(2);

**if**(V1 == 1 ) {

++M;

}

**else** **if** (V1 == 2) {

++R;

}

**else** **if** (V1 == 3) {

++S;

}

**else** {

++L;

}

}

**int** max = M;

**if** (R > max)

max = R;

**if** (S > max)

max = S;

**if** (L > max)

max = L;

System.out.println("--------------------------------------------------------");

**if**(max == R ) { writer.println("<br><h1>Rahul Gandhi won by " + max + "!!!!!!! </h1>"); }

**if**(max == M ) { writer.println("<br><h1>Modi won by"+ max + "!!!!!!! </h1>"); }

**if**(max == S) { writer.println("<br><h1>Sachin Pilot won by "+ max + "!!!!!!! </h1>"); }

**if**(max == L ) { writer.println("<br><h1>Lalu Yaddav won by "+ max + "!!!!!!! </h1>"); }

System.out.println("--------------------------------------------------------");

}

**catch**(Exception e){ System.out.println(e);}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

1. **Update\_D.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Update\_D

\*/

@WebServlet("/Update\_D")

**public** **class** Update\_D **extends** HttpServlet {

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

/\*\*s

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Update\_D() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

String VoterID = request.getParameter("Voter\_ID");

String N\_V\_Name = request.getParameter("N\_V\_Name");

String N\_Adhar\_Id = request.getParameter("N\_Adhar\_Id");

String N\_Address = request.getParameter("N\_Address");

String N\_Sex = request.getParameter("N\_Sex");

String N\_age = request.getParameter("N\_age");

PrintWriter writer = response.getWriter();

String dbURL = "jdbc:mysql://localhost:3306/javaminp";

String username = "root";

String password = "Vaibhav@1257";

Connection conn = **null**;

**try** {

conn = DriverManager.getConnection(dbURL , username ,password);

**if**(conn != **null**) {

System.out.println("Connected");

}

String sql = "UPDATE voter\_data SET V\_Name = ? , Adhar\_Id = ? , Address = ? , Sex = ? , age = ? WHERE VoterID = ?";

PreparedStatement statement = conn.prepareStatement(sql);

statement.setString( 1, N\_V\_Name);

statement.setInt( 2, Integer.parseInt(N\_Adhar\_Id));

statement.setString( 3, N\_Address);

statement.setString( 4, N\_Sex);

statement.setInt( 5, Integer.parseInt(N\_age));

statement.setInt( 6, Integer.parseInt(VoterID));

**int** rowsUpdated = statement.executeUpdate();

**if** (rowsUpdated > 0) {

writer.println("Record Updated successfully");

}

**else** {

writer.println("Did not find voter ID ");

}

}

**catch**(Exception e){ System.out.println(e);}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

doGet(request, response);

}

}

1. **Delete\_D.java**

**import** java.io.IOException;

**import** java.io.PrintWriter;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** javax.servlet.ServletException;

**import** javax.servlet.annotation.WebServlet;

**import** javax.servlet.http.HttpServlet;

**import** javax.servlet.http.HttpServletRequest;

**import** javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class Delete\_D

\*/

@WebServlet("/Delete\_D")

**public** **class** Delete\_D **extends** HttpServlet {

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

/\*\*

\* **@see** HttpServlet#HttpServlet()

\*/

**public** Delete\_D() {

**super**();

// **TODO** Auto-generated constructor stub

}

/\*\*

\* **@see** HttpServlet#doGet(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

response.getWriter().append("Served at: ").append(request.getContextPath());

String VoterID = request.getParameter("Voter\_ID");

PrintWriter writer = response.getWriter();

String dbURL = "jdbc:mysql://localhost:3306/javaminp";

String username = "root";

String password = "Vaibhav@1257";

Connection conn = **null**;

**try** {

conn = DriverManager.getConnection(dbURL , username ,password);

**if**(conn != **null**) {

System.out.println("Connected");

}

String sql = "DELETE FROM voter\_data WHERE VoterID = ?";

PreparedStatement stmt = conn.prepareStatement(sql);

stmt.setInt( 1 , Integer.parseInt(VoterID));

stmt.executeUpdate(sql);

writer.println("Record deleted successfully");

}

**catch**(Exception e){ System.out.println(e);}

}

/\*\*

\* **@see** HttpServlet#doPost(HttpServletRequest request, HttpServletResponse response)

\*/

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

// **TODO** Auto-generated method stub

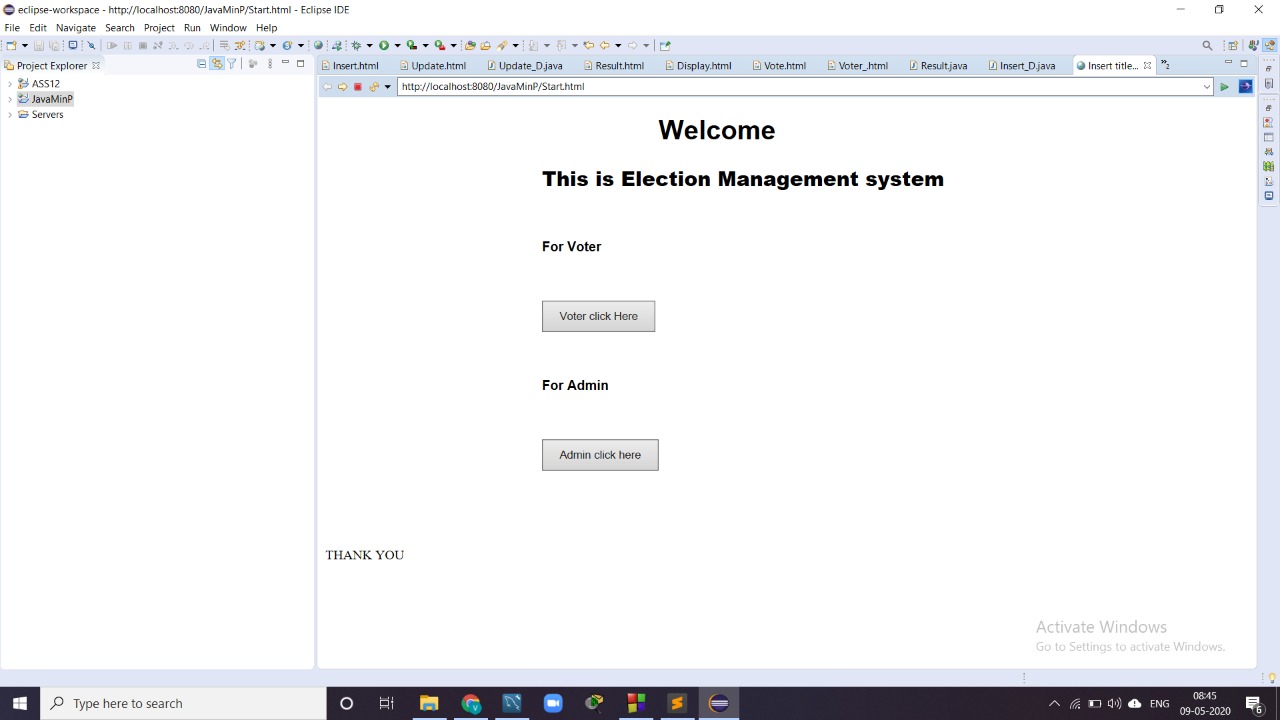
doGet(request, response);

}

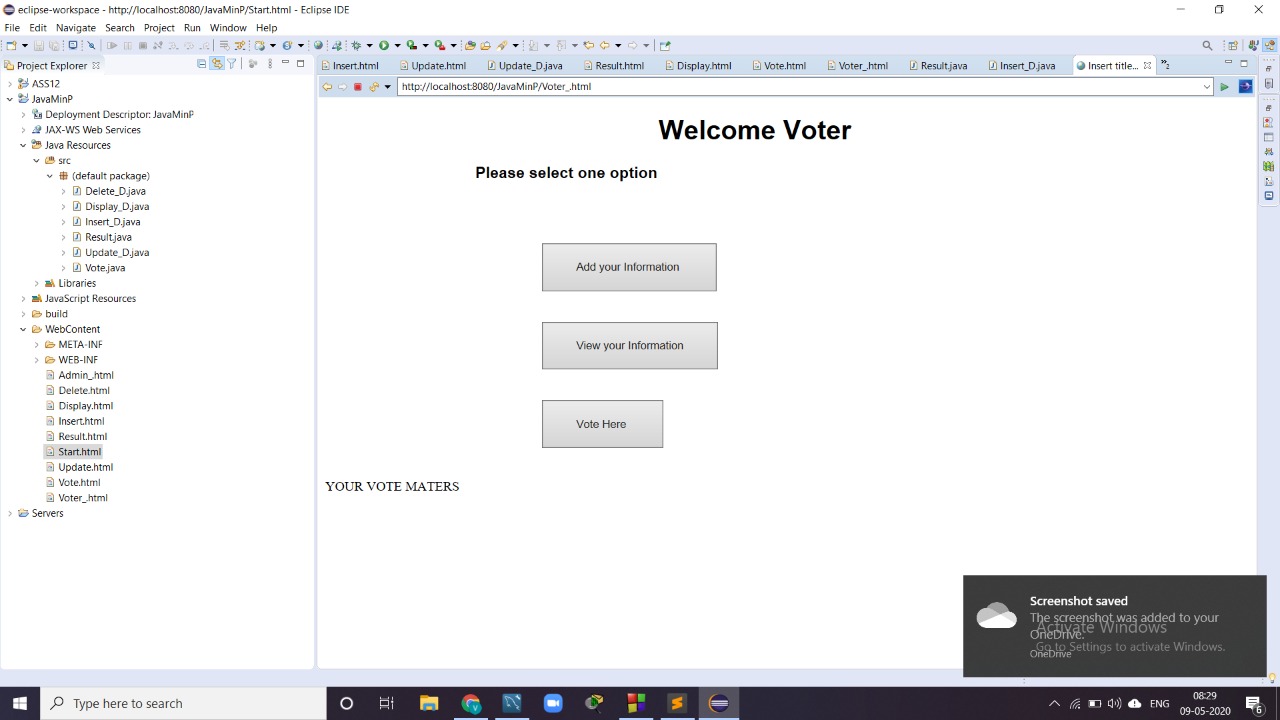
}

**Output:**

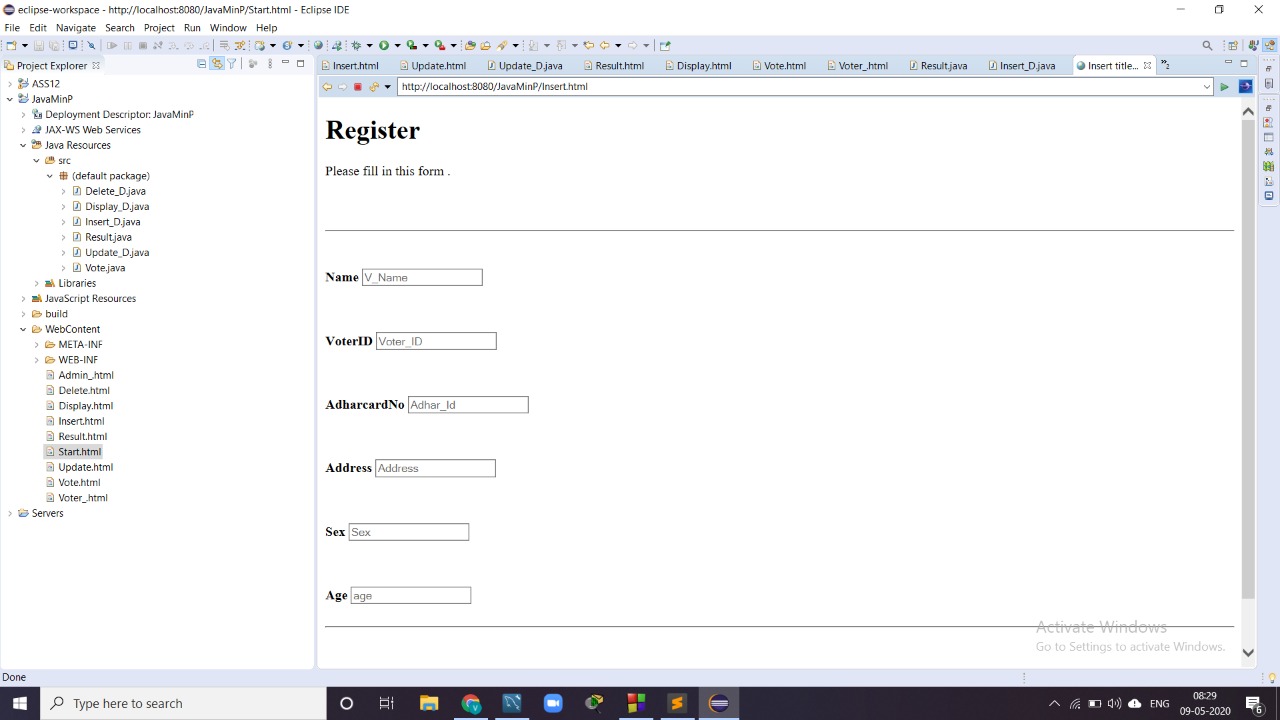
1. **Start.html**

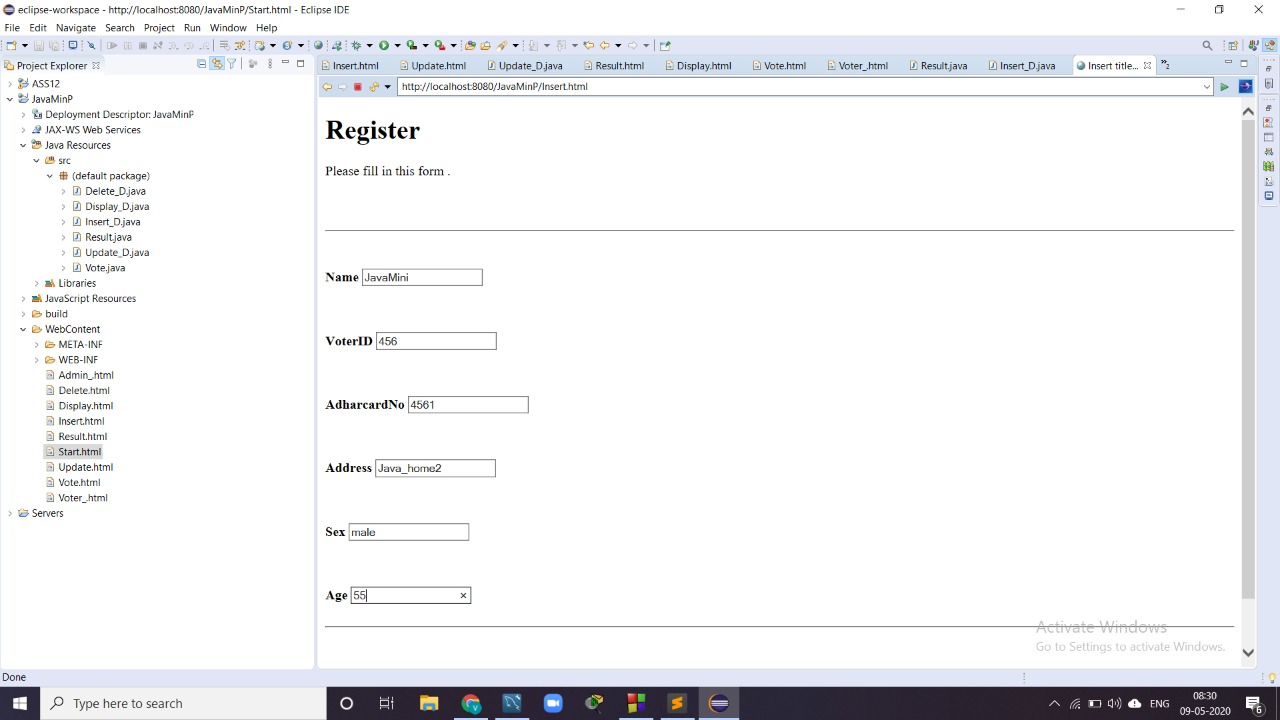


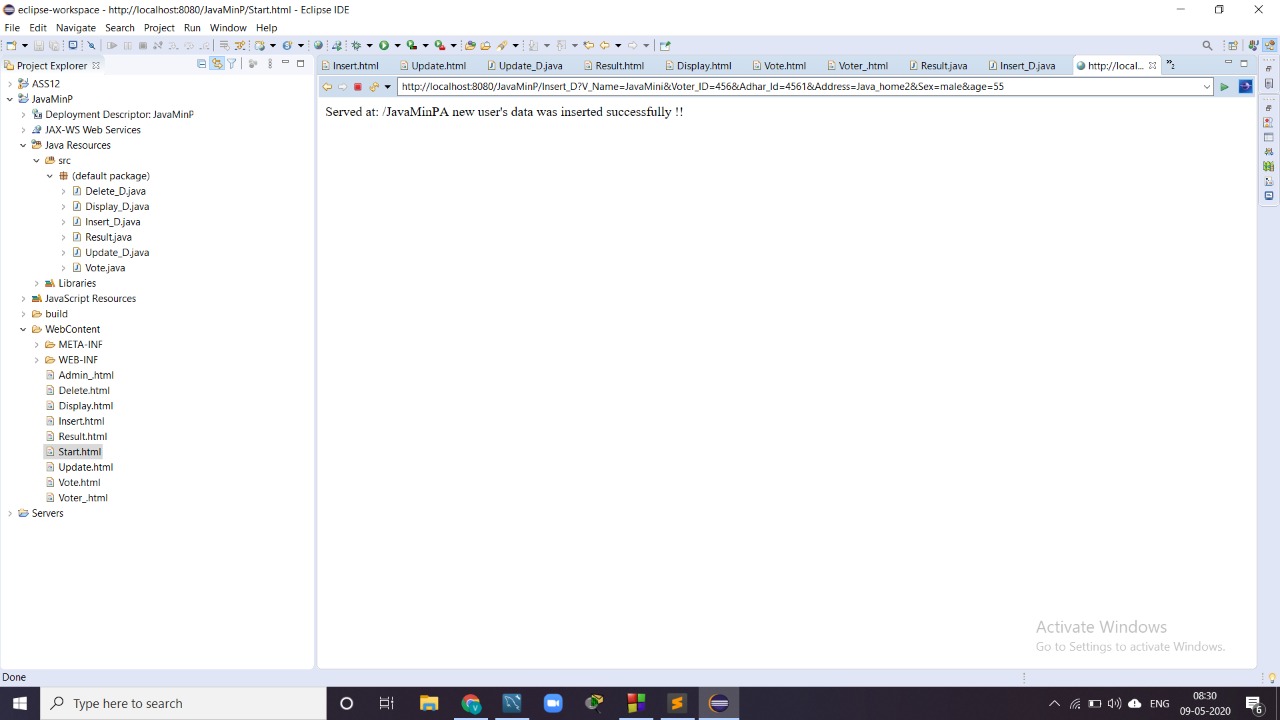
1. **Voter.html**



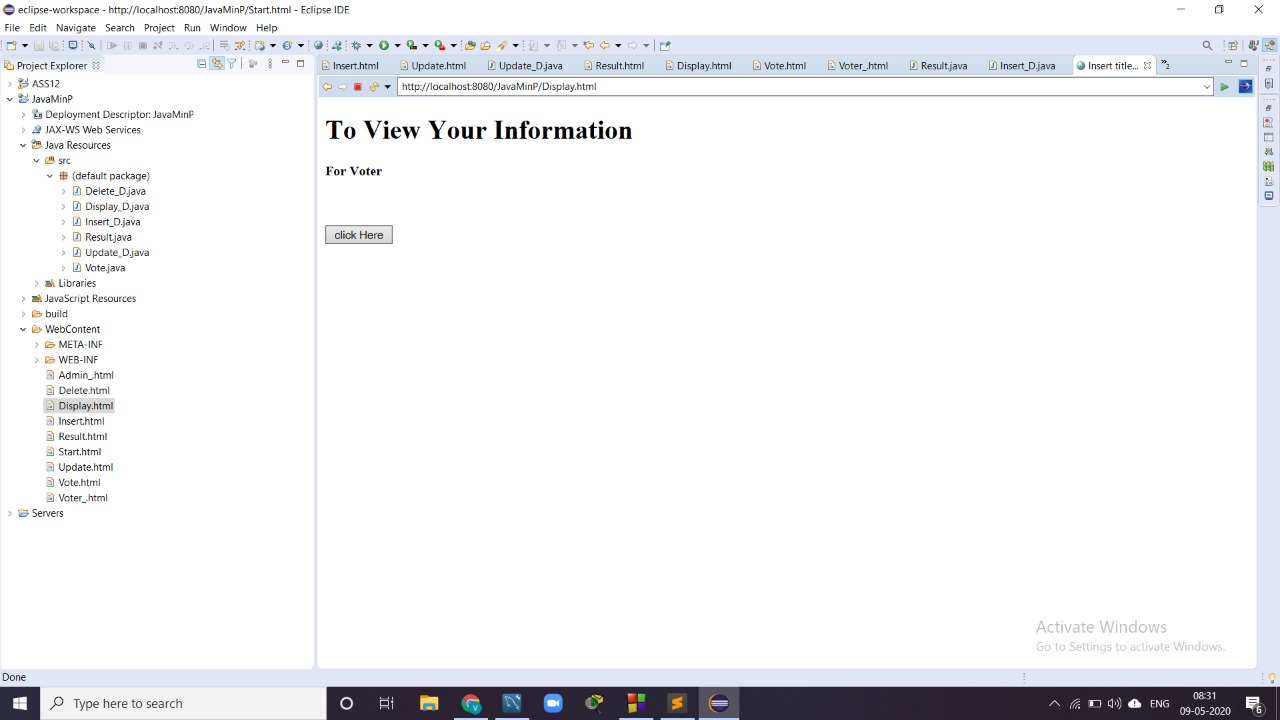
1. **Insert.html**

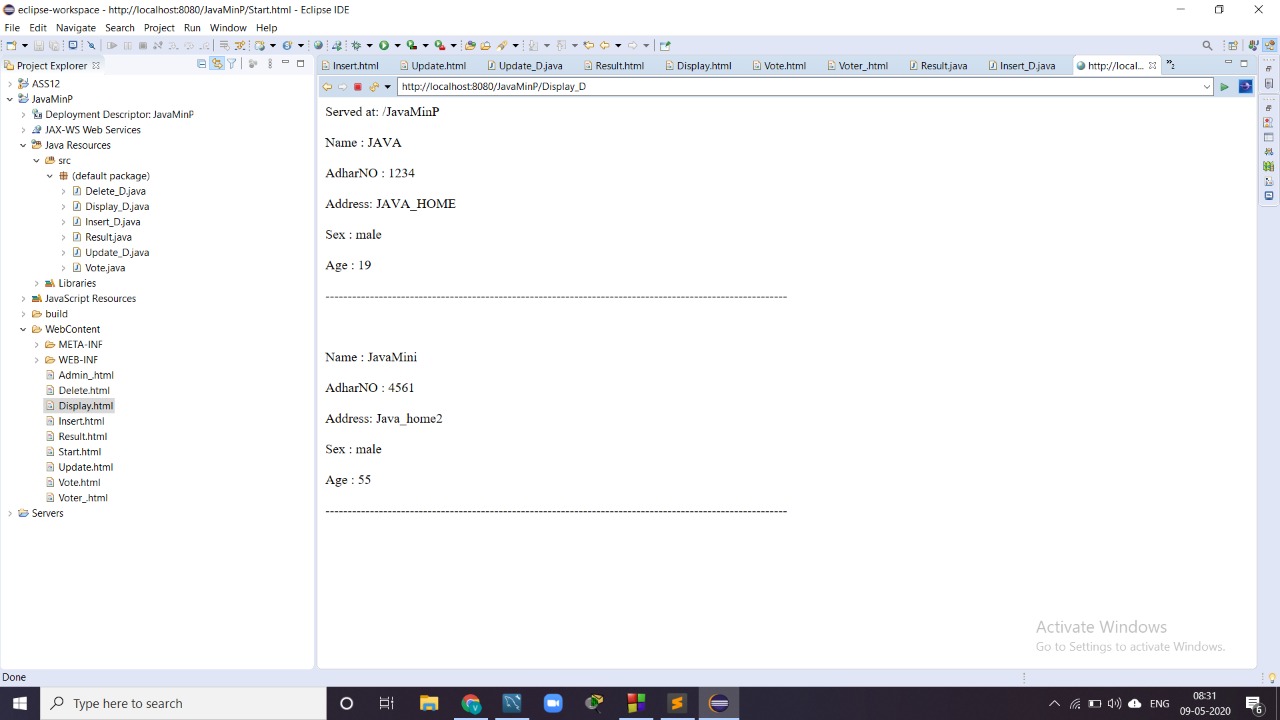
****

****

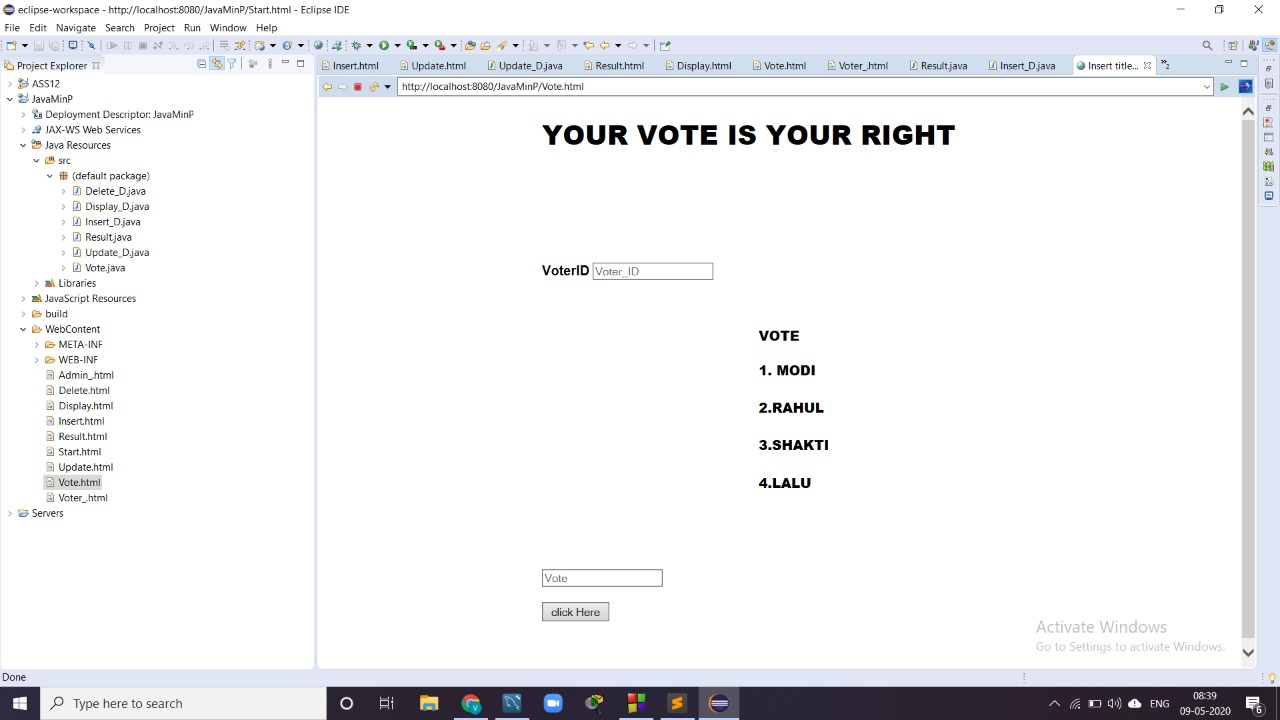
****

1. **Display.html**

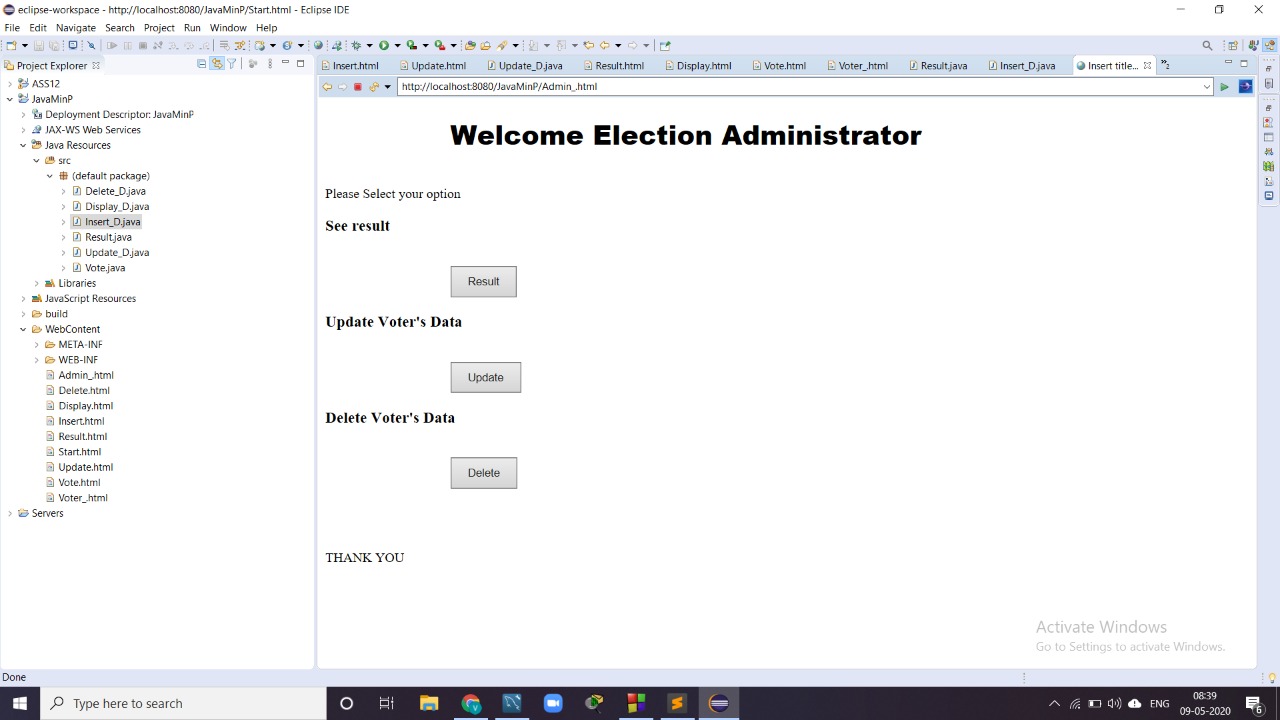
****

****

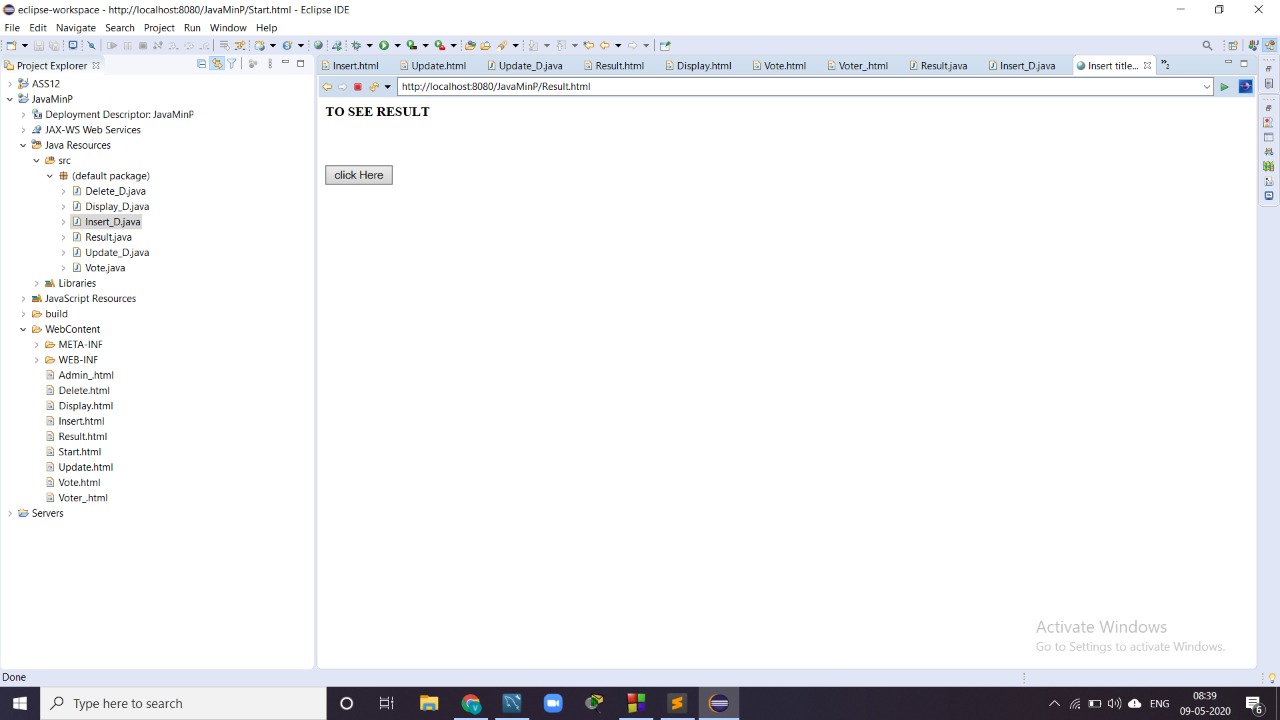
1. **Vote.html**

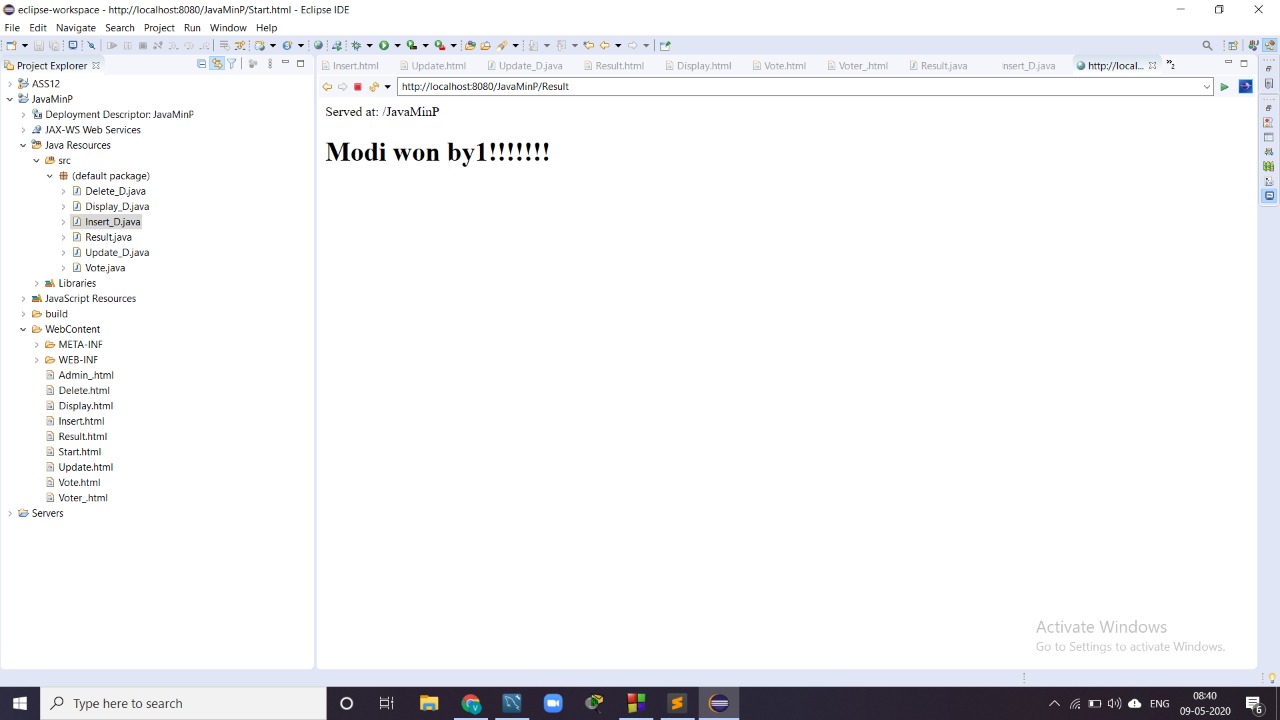
****

**6. Admin.html**

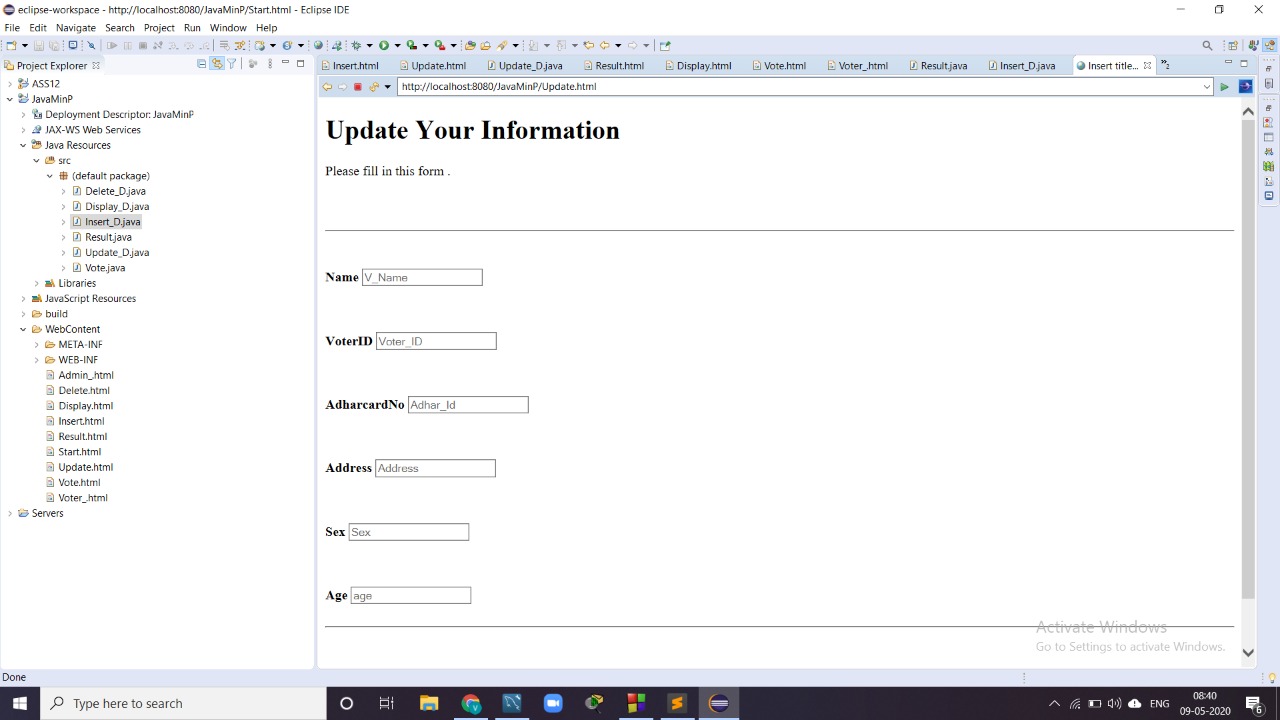
****

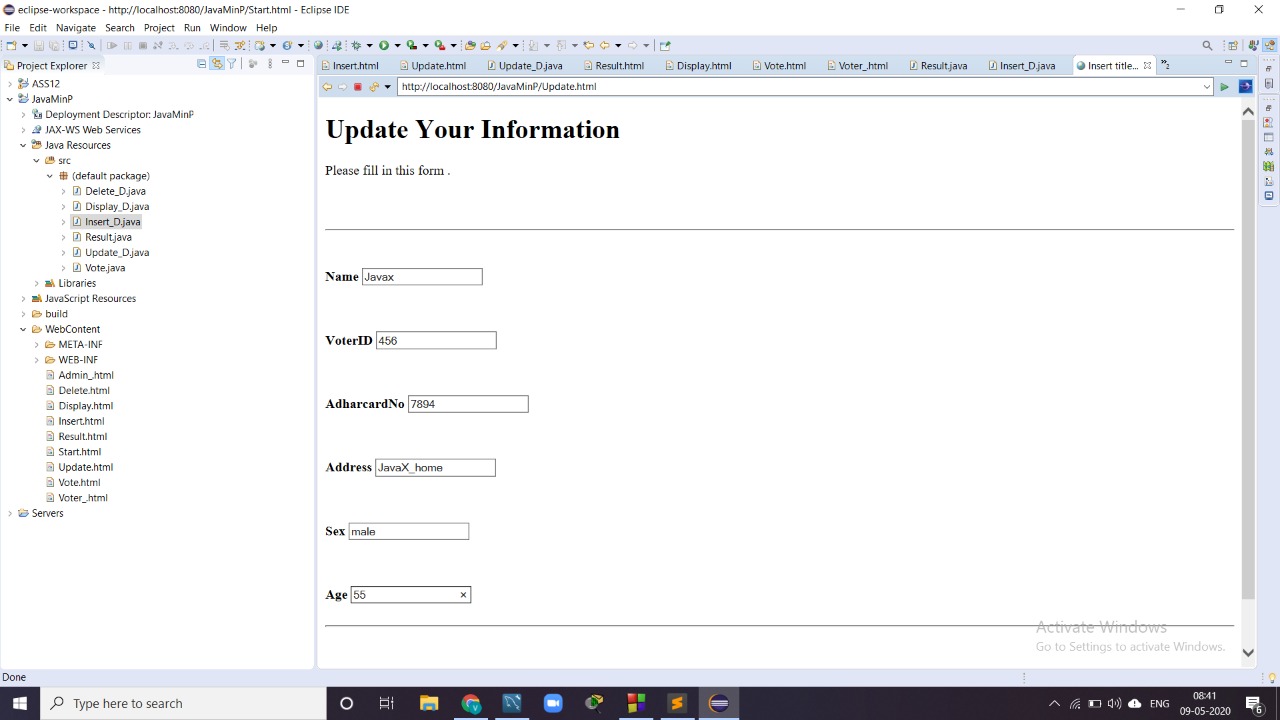
**7. Result.html**

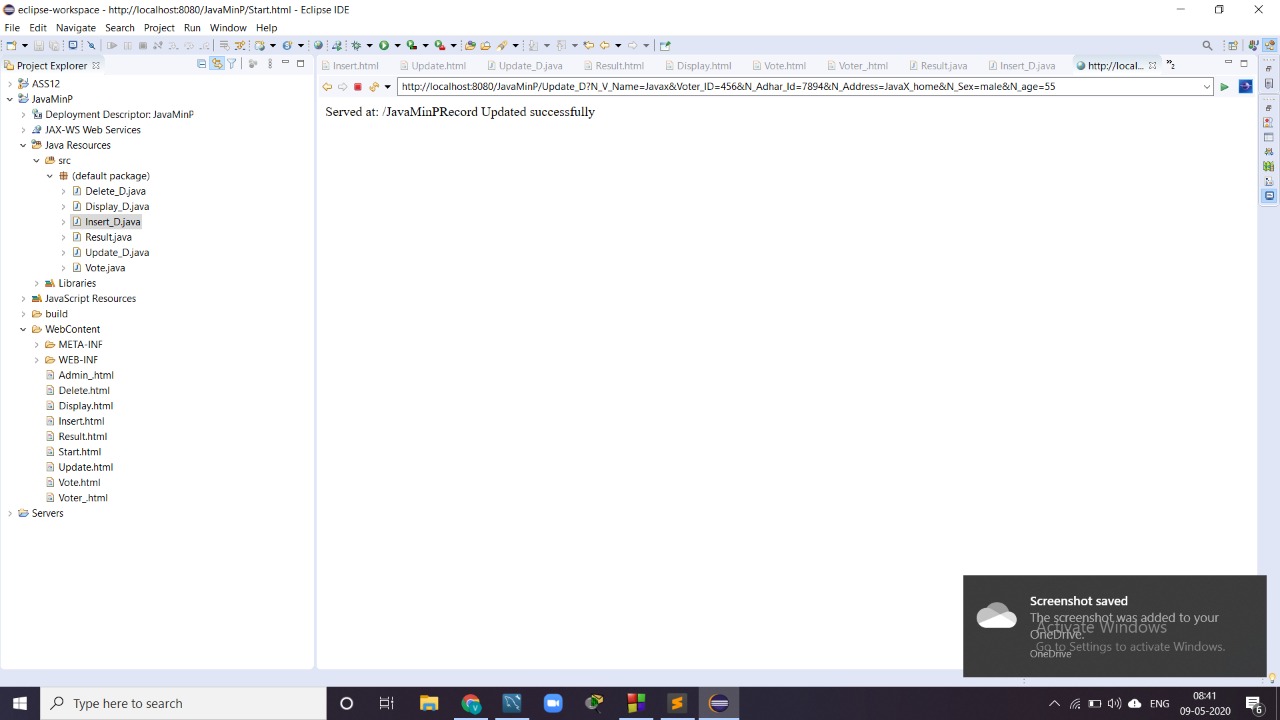
****

****

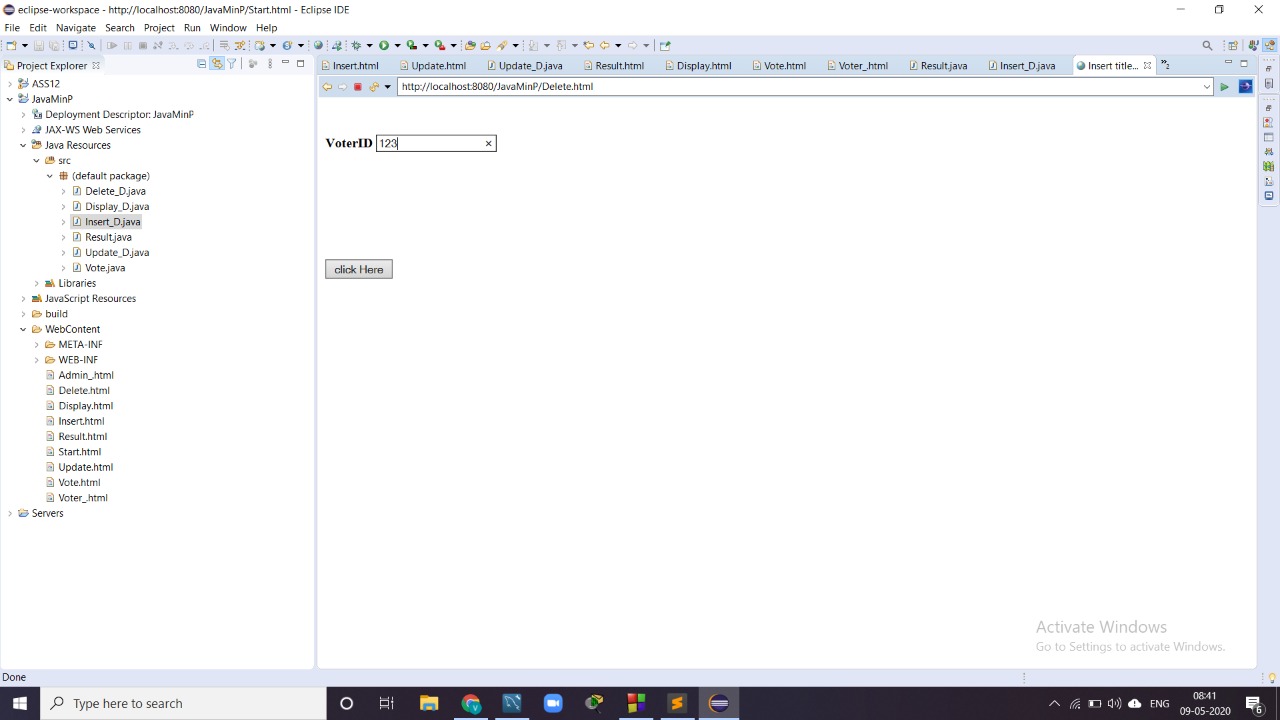
**8. Update.html**

****

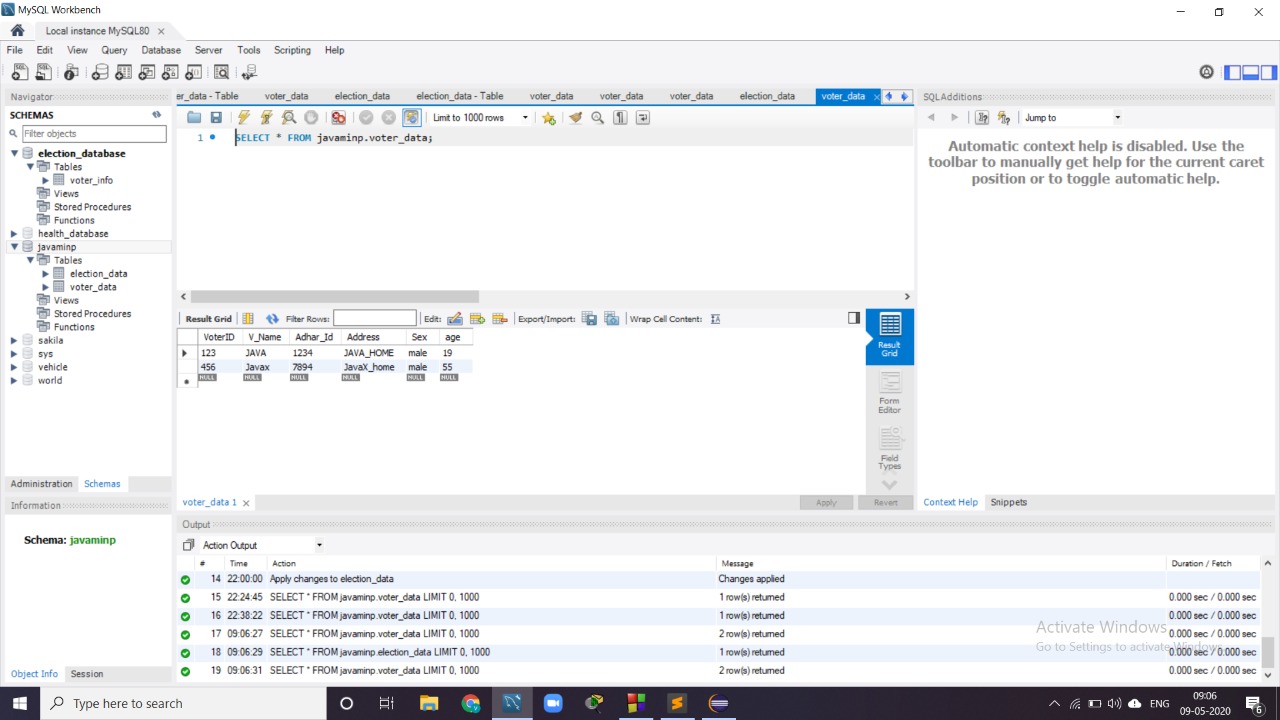
****

****

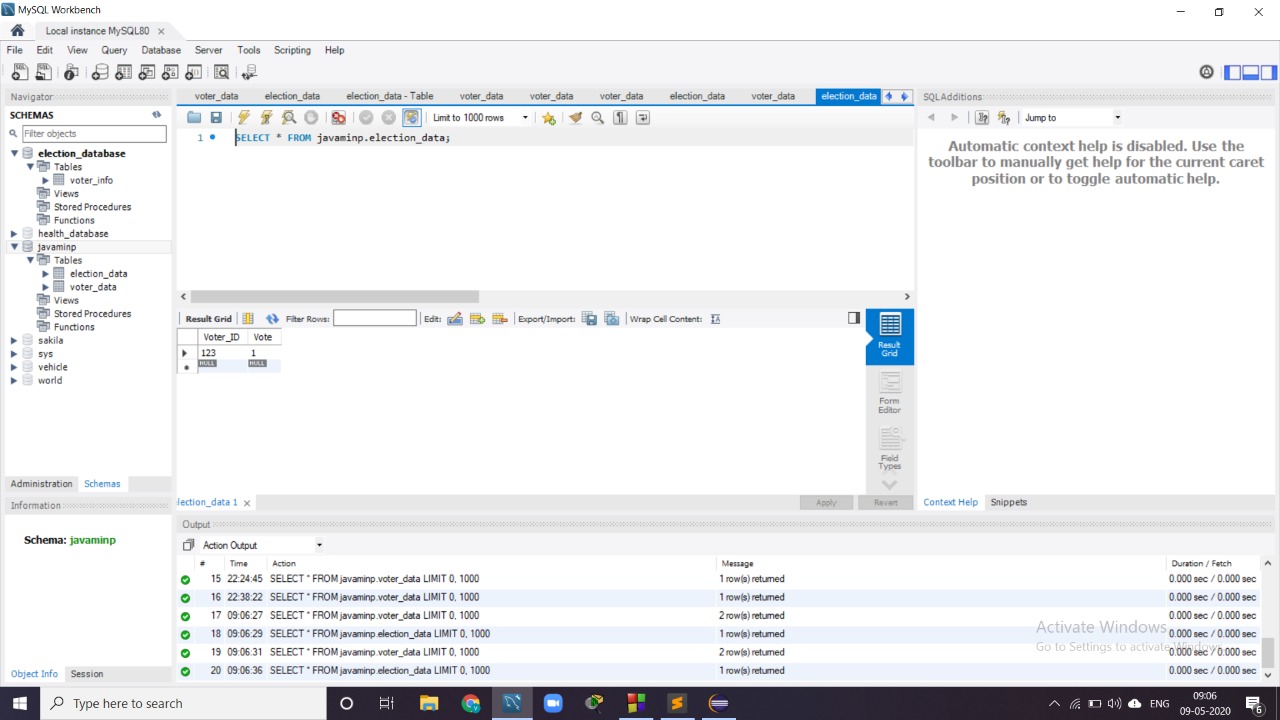
**9. Delete.html**

****

**10. MySQL Database : voter\_data**

****

**11. election\_data**

****