1.Write a program to accept request parameters from a from and generate the response

STEP 1: create folder with name Servelet_Project1

STEP 2: create folder with name WEB-INF Within Servelet_Project1

STEP 3: create folder with name classes folder within WEB_INF

STEP 4: create Index.html with Servelet_Project1

Index.html:

```
<h1>welcome to CSE-C TOMCAT SERVER</h1>
<form  method="post" action="./xyz">
        FirstName<input type="text" name="name">
                <input type="submit" value="Display">
</form>
```

STEP 5: create web.xml with within WEB_INF

web.xml

```
<web-app>
        <servlet>
                <servlet-name>demo</servlet-name>
                <servlet-class>HelloServlet</servlet-class>
        </servlet>
       <servlet-mapping>
                <servlet-name>demo</servlet-name>
                <url-pattern>/xyz</url-pattern>
       </servlet-mapping>
</web-app>
```

STEP 6: create HelloServlet.java with within classes

HelloServlet.java

```
import javax.servlet.http.*;

import java.io.*;

import javax.servlet.*;

public class HelloServlet extends HttpServlet{

  public void doPost(HttpServletRequest req, HttpServletResponse res)throws
IOException,ServletException

{

        res.setContentType("text/html");

        String name=req.getParameter("name");


            PrintWriter out=res.getWriter();


            out.println("Welcome to CSE C :"+name);


}

}
```

STEP 6: compile HelloServlet.java and Store HelloServlet.class file inside classes folder .

STEP 7: copy Servelet_Project1 inside C:\Program Files\Apache Software Foundation\Tomcat 8.0\webapps

STEP 8: Open Google_Chrome type localhost:8085\manager

Username :admin

Password : adimin

STEP 8: Run your Application.

2.Write a program to accept request parameters from a from store into Database

STEP 1: create folder with name Servelet_Project1_database

STEP 2: create folder with name WEB-INF Within Servelet_Project1_database

STEP 3: create folder with name classes folder within WEB_INF

STEP 4: create Index.html with Servelet_Project1_database

Note: create folder with name lib folder within WEB_INF and copy ojdbc14.jar file

register.html:

```
<html>
<body>
<form action="servlet/Register" method="post">
Name:<input type="text" name="userName"/><br/><br/>
Password:<input type="password" name="userPass"/><br/><br/>
Email Id:<input type="text" name="userEmail"/><br/><br/>
Country:
<select name="userCountry">
<option>India</option>
<option>Pakistan</option>
<option>other</option>
</select>
<br/><br/>
<input type="submit" value="register"/>
</form>
</body>
</html>
```

STEP 5: create web.xml with within WEB_INF

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<web-app>
  <servlet>
    <servlet-name>Register</servlet-name>
    <servlet-class>Register</servlet-class>
  </servlet>
  <servlet-mapping>
    <servlet-name>Register</servlet-name>
    <url-pattern>/servlet/Register</url-pattern>
  </servlet-mapping>
  <welcome-file-list>
    <welcome-file>register.html</welcome-file>
  </welcome-file-list>
</web-app>
```

STEP 6: create Register.java **with within classes**

```
import java.io.*;
import java.sql.*;
import javax.servlet.ServletException;
import javax.servlet.http.*;
public class Register extends HttpServlet {
        public void doPost(HttpServletRequest req, HttpServletResponse res)
                        throws ServletException, IOException {
                res.setContentType("text/html");
                PrintWriter out = res.getWriter();
                String n=req.getParameter("userName");
```

```
                String p=req.getParameter("userPass");
                String e=req.getParameter("userEmail");
                String c=req.getParameter("userCountry");
                try{
                Class.forName("oracle.jdbc.driver.OracleDriver");
Connection con=DriverManager.getConnection("jdbc:oracle:thin:@localhost:1521:xe","system","manager");
PreparedStatement ps=con.prepareStatement("insert into registeruser values(?,?,?,?)");
                ps.setString(1,n);
                ps.setString(2,p);
                ps.setString(3,e);
                ps.setString(4,c);
                int i=ps.executeUpdate();
                if(i>0)
                out.print("You are successfully registered...");
                }catch (Exception e2) {
                        System.out.println(e2);
                }
                out.close();
        }
}
```

Reaming steps complete according to program ….