EXPERIMENT-8

Servlet Program

Aim: To create a simple application using servlet

Code:

HTML code:

```html
<!DOCTYPE html>
<html>
  <head>
    <title>TODO supply a title</title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>
    <form action="add" method="get">
      Number1: <input type="text" name="no1"> <br> <br>
       Number2: <input type="text" name="no2"> <br> <br>
       <input type="submit" name="btnadd" value="Add">
    </form>
  </body>
</html>
```

JAVA Code:

```java
import java.io.IOException;
import java.io.PrintWriter;
import javax.servlet.ServletException;
import javax.servlet.http.HttpServlet;
import javax.servlet.http.HttpServletRequest;
import javax.servlet.http.HttpServletResponse;
```

```java
public class add extends HttpServlet {


    protected void processRequest(HttpServletRequest request,
HttpServletResponse response)
        throws ServletException, IOException {
      response.setContentType("text/html;charset=UTF-8");
      try (PrintWriter out = response.getWriter()) {


        int a=Integer.parseInt(request.getParameter("no1"));
        int b=Integer.parseInt(request.getParameter("no2"));
         out.println("Addition is"+ (a+b));


      }
   }


   // <editor-fold defaultstate="collapsed" desc="HttpServlet methods. Click on
the + sign on the left to edit the code.">
   /**
   * Handles the HTTP <code>GET</code> method.
   *
   * @param request servlet request
   * @param response servlet response
   * @throws ServletException if a servlet-specific error occurs
   * @throws IOException if an I/O error occurs
   */
```

```java
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Handles the HTTP <code>POST</code> method.
     *
     * @param request servlet request
     * @param response servlet response
     * @throws ServletException if a servlet-specific error occurs
     * @throws IOException if an I/O error occurs
     */
    @Override
    protected void doPost(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
        processRequest(request, response);
    }

    /**
     * Returns a short description of the servlet.
     *
     * @return a String containing servlet description
     */
    @Override
```
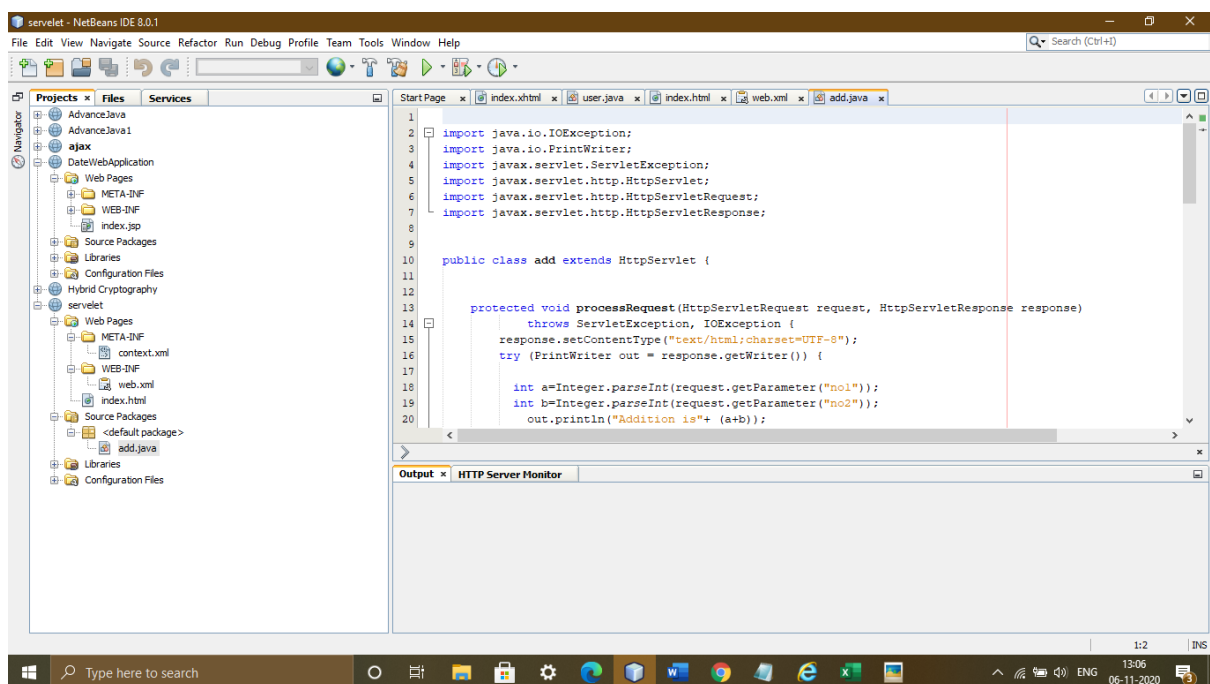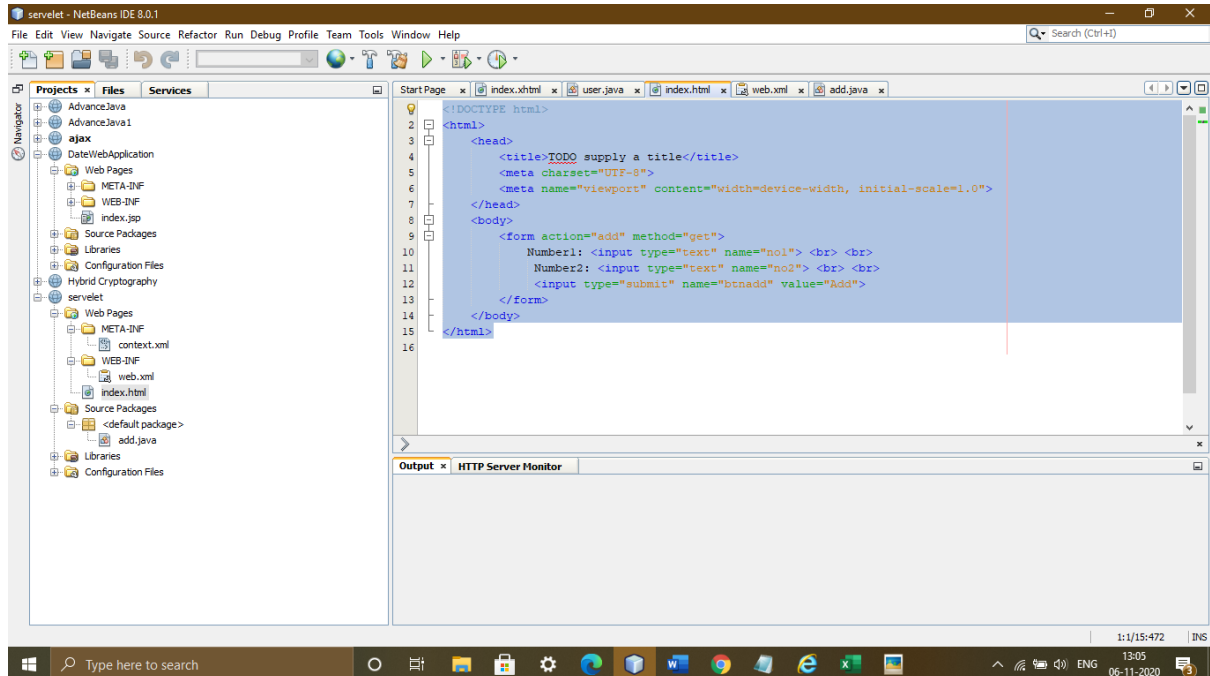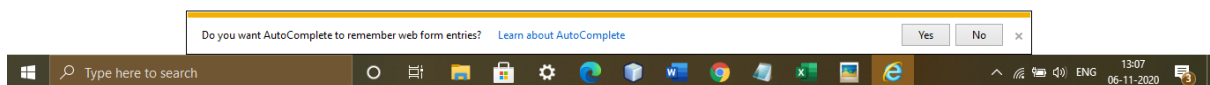
public String getServletInfo() {

  return "Short description";

Screenshots:

Number1: 5

Number2: 7

Add

Addition is12

RESULT:

The experiment was successfully completed