Assignment 4

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2ND SEMESTER, 1ST YEAR, MCA

1. Write a Servlet program to demonstrate Generic servlet.

Code

.html

 Generic Servlet

.java

```
import java.io.*;
import javax.servlet.*;
public class First extends GenericServlet {
  public void service(ServletRequest req, ServletResponse res)
                                                                       throws IOException,
ServletException {
    res.setContentType("text/html");
    PrintWriter out = res.getWriter();
                                          out.print("<html><body>");
out.print("<h1>hello generic servlet</h1>");
out.print("</body></html>");
```

```
<web-app>
<servlet>
<servlet-name>s1
<servlet-class>First/servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>s1</servlet-name>
<url-pattern>/hello</url-pattern>
</servlet-mapping>
</web-app>
```





```
Output

| Description | Descri
```



```
a. Display your name using Servlet.

Code

Java

Import java servlet.http:", import java.no.",

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public lass
```

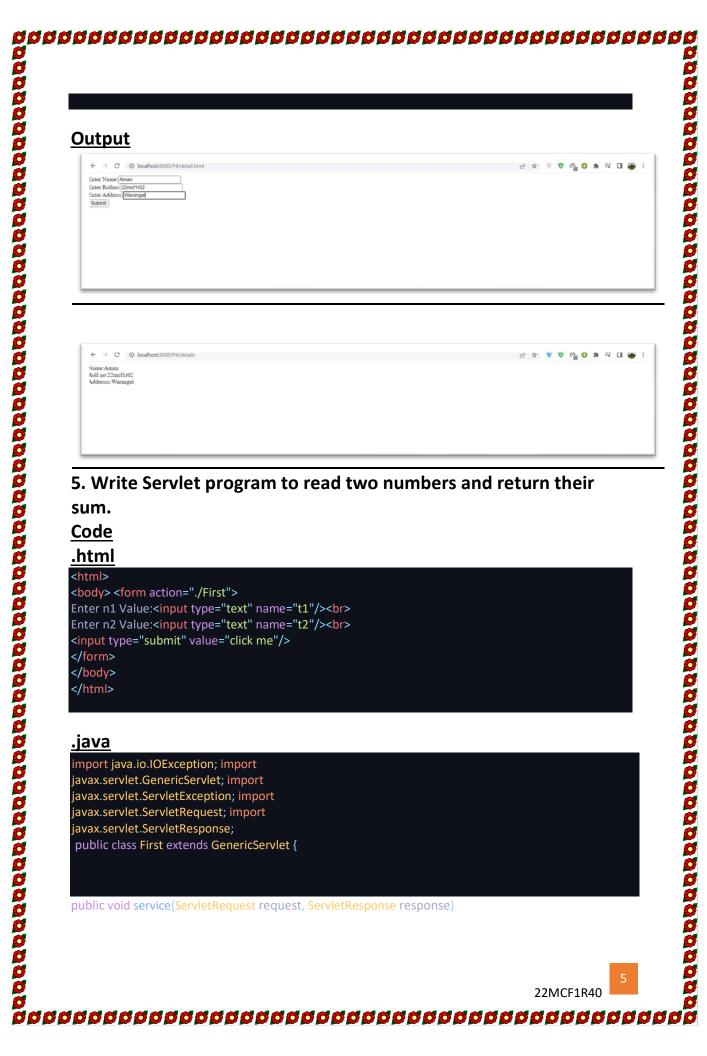
```
Output

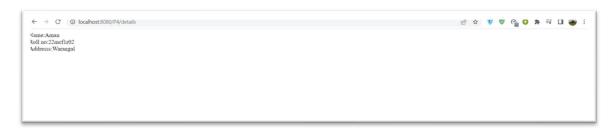
4. Write Servlet program that takes your name, roll no and address from an HTML
Form and displays it.
Code

.html

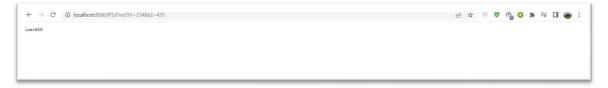
Simpo

Goody Some action="/details" method="post">
Sough Some action="/deta
```









```
<form action="addCookie">
Name:<input type="text" name="cname"/><br>
Value:<input type="text" name="cvalue"/><br>
<input type="submit" value="AddCookie"/>
</form>
</center>
</body>
</html>
```

.java

Addcookies

```
import javax.servlet.http.*; import
javax.servlet.*; import java.io.*;
public class AddCookieServlet extends HttpServlet
{ public void service(HttpServletRequest req,HttpServletResponse res)throws
ServletException,IOException
 { String name=req.getParameter("cname");
    String value=req.getParameter("cvalue");
                                                 Cookie c=new
Cookie(name,value);
                        res.addCookie(c);
    res.setContentType("text/html");
                                         PrintWriter
out=res.getWriter();
    String output="<html><body>";
```

```
output+="Cookie Added Successfully <br/>>'
```

```
output+="<a href='viewcookies'>View Cookies</a>";
                                                         output+="</body></html>";
out.println(output);
```

Getcookies

```
import javax.servlet.http.*; import
javax.servlet.*; import java.io.*;
public class GetCookieServlet extends HttpServlet
{ public void service(HttpServletRequest req,HttpServletResponse res)throws
ServletException,IOException
 { res.setContentType("text/html");
                                    PrintWriter
                     out.println("<html><body>");
out=res.getWriter();
   out.println("NameValue");
[]c=req.getCookies();
                      if(c!=null)
   { for(int i=0;i<c.length;i++)
      { out.println(""+c[i].getName()+"");
out.println(""+c[i].getValue()+"");
         out.println("<br>>");
out.println("</body></html>");
```

```
<?xml version="1.0"?>
<web-app>
<servlet>
<servlet-name>AddCookieServlet/servlet-name>
<servlet-class>AddCookieServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>AddCookieServlet/servlet-name>
<url-pattern>/addCookie</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>GetCookieServlet</servlet-name> <servlet-class>GetCookieServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>GetCookieServlet/servlet-name>
<url-pattern>/viewcookies</url-pattern>
</servlet-mapping>
<welcome-file-list>
<welcome-file>htmlfiles/Home.html</welcome-file>
</welcome-file-list>
</web-app>
```

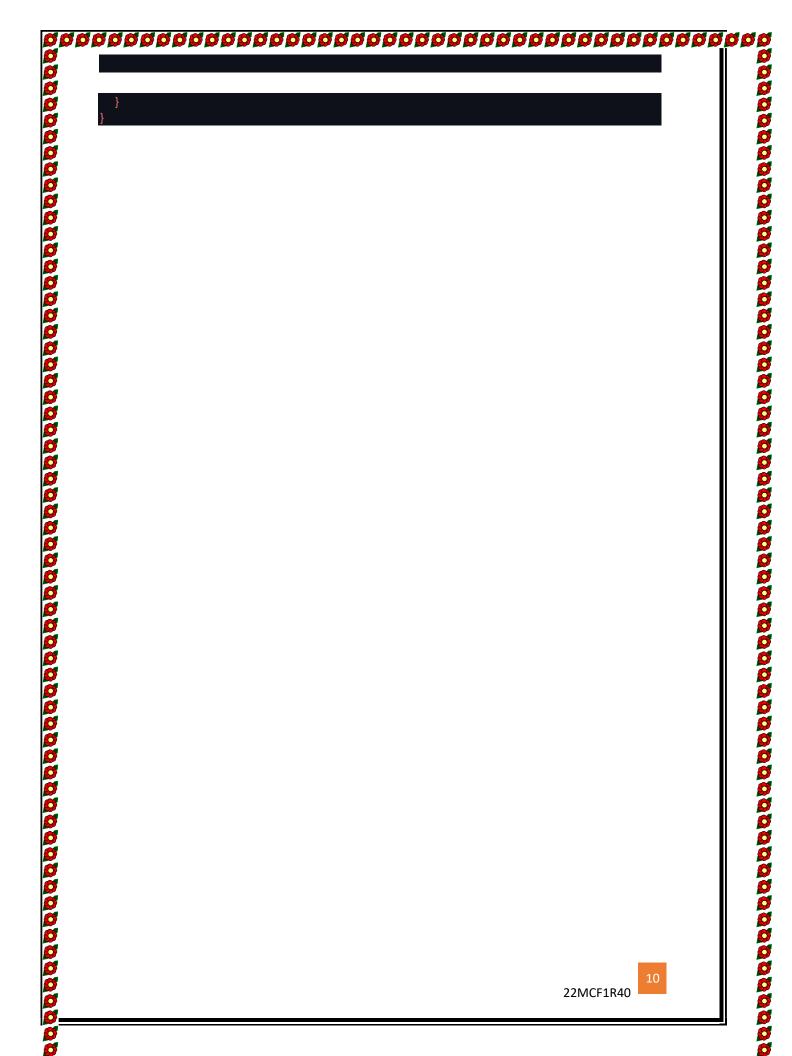






```
O utput

| Comparison of the content of the content
```



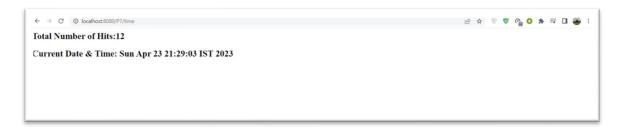
```
.xml

**Rinti versions**1.0*7>

*verb-app?

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**/serviet-name>calendars/serviet-name>
**un-pattern //times/un-pattern>
**/serviet-name>name>
**un-pattern //times/un-pattern>
**/serviet-name>
**un-pattern //times/un-pattern //times/un-patt
```





First

```
import java.io.*; import javax.servlet.*;
import javax.servlet.http.*; import
java.io.*;
public class first extends HttpServlet {
 public void doGet(HttpServletRequest request, HttpServletResponse
response) {
      response.setContentType("text/html")
```

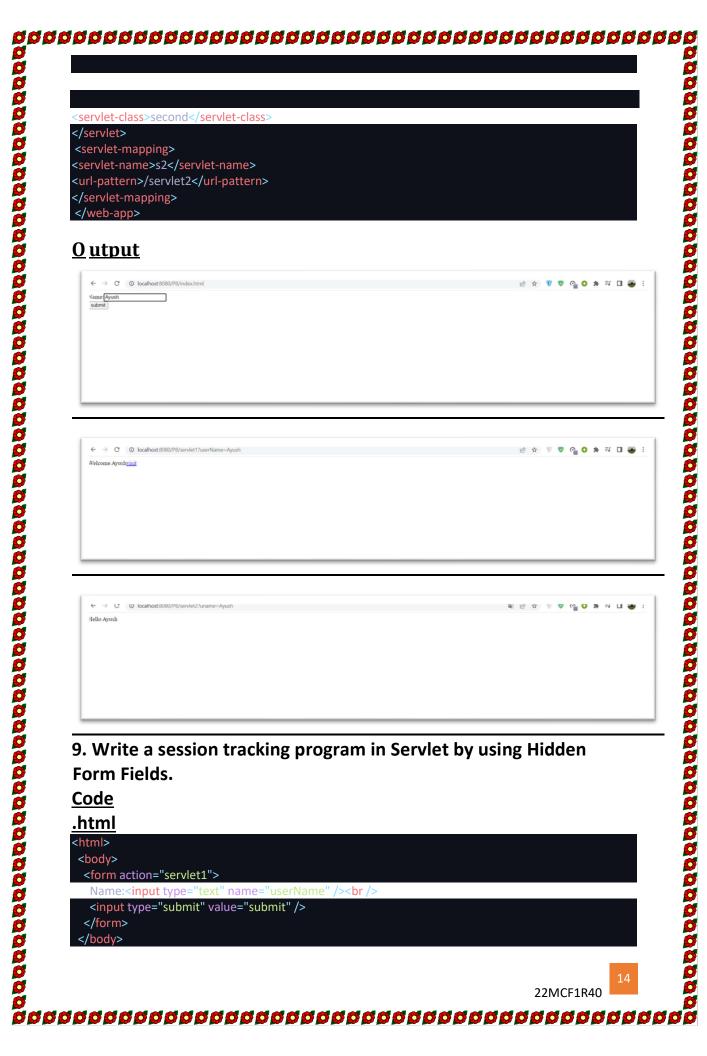
```
PrintWriter out = response.getWriter();
                                                     String n = request.getParameter("userName");
out.print("Welcome " + n);
                                         out.print("<a href='servlet2?uname=" + n + "'>visit</a>");
               } catch (Exception e) {
out.close();
      System.out.println(e);
```

Second

```
import javax.servlet.http.*; import
javax.servlet.*; import java.io.*;
public class second extends HttpServlet {
  public void doGet(HttpServletRequest request, HttpServletResponse
response) {
                try {
      response.setContentType("text/html");
                                                     PrintWriter out =
response.getWriter();
                            String n =
request.getParameter("uname");
                                        out.print("Hello" + n);
out.close();
    } catch (Exception e) {
      System.out.println(e);
```

```
<web-app>
<servlet>
<servlet-name>s1</servlet-name>
<servlet-class>first/servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>s1</servlet-name>
```

<url-pattern>/servlet1</url-pattern> </servlet-mapping> <servlet> <servlet-name>s2</servlet-name> 22MCF1R40









```
</html>
```

.java

```
First
import java.io.*; import javax.servlet.*;
import javax.servlet.http.*;
public class first extends HttpServlet {
  public void doGet(HttpServletRequest request, HttpServletResponse
response) {
                try {
      response.setContentType("text/html");
      PrintWriter out = response.getWriter();
                                                     String n =
                                                                             out.print("<form
request.getParameter("userName");
                                           out.print("Welcome " + n);
action='servlet2'>");
                          out.print("<input type='hidden' name='uname' value='" + n +
      out.print("<input type='submit' value='go'>");
                            out.close();
out.print("</form>");
    } catch (Exception e) {
      System.out.println(e);
```

Second

```
import javax.servlet.http.*; import
javax.servlet.*; import java.io.*;
public class second extends HttpServlet {
  public void doGet(HttpServletRequest request, HttpServletResponse
response) {
      response.setContentType("text/html");
                                                     PrintWriter out =
response.getWriter();
       String n = request.getParameter("uname
      out.print("Hello " + n);
                                                    } catch (Exception e) {
                                    out.close();
      System.out.println(e);
```

.xml

cwcb-app>
service
service class-first //service-name>
service-lass-first //service-name>
service-lass-first //service-name>
service-lass-first //service-name>
service-name>st //service-name>st //service-name>
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service-name>st //service-name>st //service-name>st //service-name>st //service-name>st //service-name>st //service-n







10. Write a Servlet program to handle session by using HttpSession interface.

Code

.html

```
<html><body>
<form action="servlet1">
Name:<input type="text" name="userName"/><br/>
<input type="submit" value="go"/>
</form>
</body></html>
```

<u>.java</u>

firstservlet

```
import java.io.*; import javax.servlet.*;
import javax.servlet.http.*;
public class FirstServlet extends HttpServlet
  public void doGet(HttpServletRequest request, HttpServletResponse response)
        response.setContentType("text/html");
        PrintWriter out = response.getWriter();
                                                            String
                                                 out.print("Welcome "+n+" ");
n=request.getParameter("userName");
                                                             session.setAttribute("uname",n);
         HttpSession session=request.getSession();
out.print("<a href='servlet2'>visit</a>");
                                                          out.close();
catch(Exception e){
System.out.println(e);
```

Secondservlet

```
import java.io.*; import javax.servlet.*; import javax.servlet.http.*; public class
SecondServlet extends HttpServlet { public void doGet(HttpServletRequest request,
HttpServletResponse
response) throws ServletException,IOException
      response.setContentType("text/html");
       PrintWriter out = response.getWriter();
       HttpSession session=request.getSession(false);
                                                             String
                                                 out.print("Hello "+n);
n=(String)session.getAttribute("uname");
out.close();
```

```
<web-app>
 <servlet>
<servlet-name>s1</servlet-name>
<servlet-class>FirstServlet</servlet-class>
</servlet>
<servlet-mapping>
<servlet-name>s1</servlet-name>
<url-pattern>/servlet1</url-pattern>
</servlet-mapping>
<servlet>
<servlet-name>s2</servlet-name>
<servlet-class>SecondServlet</servlet-class>
</servlet>
 <servlet-mapping>
<servlet-name>s2</servlet-name>
<url-pattern>/servlet2</url-pattern>
</servlet-mapping>
</web-app>
```





