

(1)

Name:- Surastik Jain  
Roll NO:- 01614807220  
Subject:- Web Technology  
Branch:- Computer Science & Engineering.  
Group:- 6C2

### Assignment-II

Q1:- Javascript code used by a web document must be in a file that can be read by anyone who can access the document. In an attempt to keep others from using their code, some javascript authors obfuscate their code - that is, attempt to reduce the intelligibility of their code - in various ways. What does the following obfuscate code do, and why?

```
var weird = "al" + "father".slice(4,6) + "t";  
window[weird]("Weird, but it works");
```

Answer:- Slice() method returns selected elements in an array as a new array. It selects from given start upto given end. We are actually creating a variable 'weird' of type string. This variable has values of "al" + "er" + "t" + "alert". "father".slice(4,6) return the "sliced" string.

Q2: A new visitor sends a request to the URL of a servlet that uses URL rewriting. Do you think that the servlet response will contain the session ID in the HTTP header, in URLs written to the body of the response, in neither, or in both? Justify your answer. How could you test your hypothesis?

Answer:- URL rewriting is a process of appending or modifying any URL structure while loading a page.

The request made by client is always a new request and the server cannot identify the current request is sent by a new client or the previous same client. Due to this property of HTTP protocol and web servers are called stateless. But many times we should know who is client in processing request.



(2)

Q3: Write a complete JSP document that could be used as an error page. In particular, this document should call `getMessage()` method of the exception represented by the implicit object `exception` and display the string returned by the method in an XHTML document. Do not use scriptlet code within your code.

Answer:- Public String `getMessage()` :- Returns a detailed message about the exception that has occurred. This message is initialized in the throwable constructor.

There are 3 files:-

- `index.jsp` for input values.
- `process.jsp` for divided the two numbers and displaying the result.
- `error.jsp` for handling the exception.

**Index.JSP**

```
<form action="process.jsp">
NO1: <input type="text" name="n1" /> <br> <br>
NO2: <input type="text" name="n2" /> <br> <br>
<input type="submit" value="divide" />
</form>
```

**Process.JSP**

```
<%@page errorPage="error.jsp"%>
<%
String n1 = request.getParameter("n1");
String n2 = request.getParameter("n2");
int a = Integer.parseInt(n1);
int b = Integer.parseInt(n2);
int c = a/b;
out.print("division"+c);
%>
```

**ERROR.JSP**

```
<%@page isErrorPage="true"%>
<h3>Sorry an exception occurred! </h3>
Exception is: <%= exception %>
```

Q4: What is output, if the following JavaScript program is executed by a typical web browser?

```
var i = 5;
function duh()
{
    var i;
    window.i = 6;
}
duh();
window.alert(i);
```

Answer:- 6.