
<JSTORM>



JSTORM
<http://www.jstorm.pe.kr>

Document Information

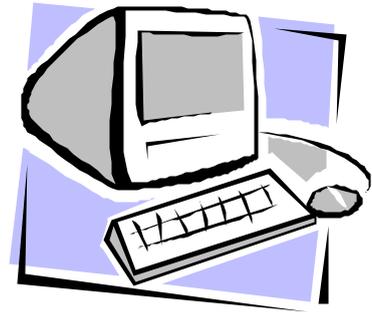
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Content Information

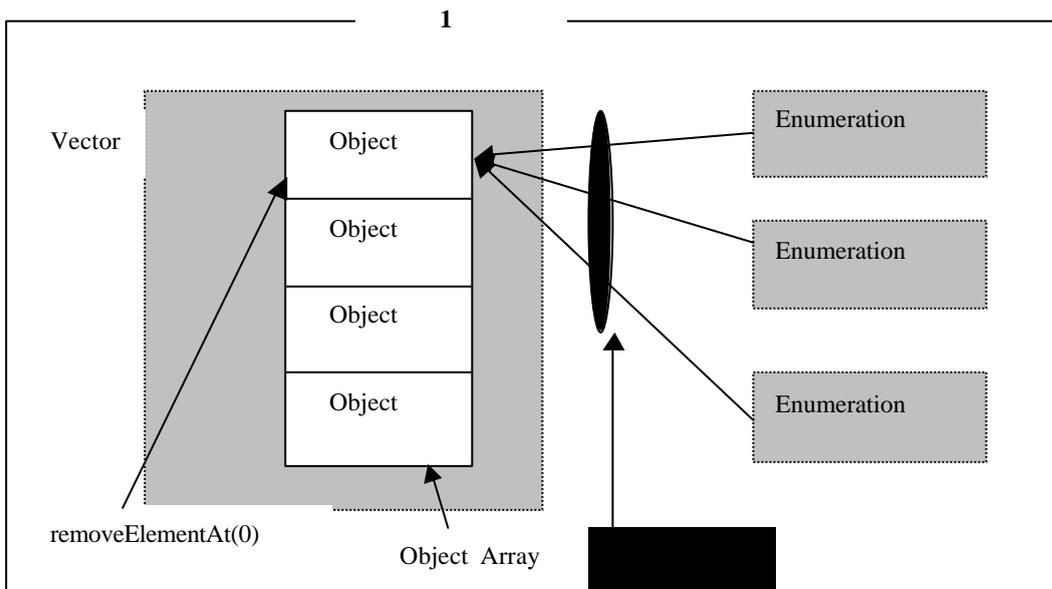
Audience	
Abstract	
Reference	(www.maso.co.kr)
Benchmark information	

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“ ” 가
 가
 “ ”
 Enumeration 가
 1 . Enumeration 가
 Enumeration
 ! 가 synchronized
 가



(Servlet) 가

NT (Java COM)

CGI JSDK(Java Servlet Development Kit)
, IIS 가

가 OS Windows NT, 95 Solaris
JDK
1.1 가

API 가

가

가

API 32
가 API
“Writer Once, Run Everywhere”가
가
JDBC Provider

Provider가 가
100% MS
가

가 NT

97 9

JSDK server-tutorial.html

20 (JSDK 2.0)

가

1

1

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

```
public class MyServlet extends HttpServlet {
```

```
    public void init(ServerConfig sc) {
        // property
        //
    }
```

```
    public void doGet(HttpServletRequest req, HttpServletResponse res) {
        // main code가
    }
```

```
    public void destroy() {
        //
    }
```

```
}
```

HTTP가 GET(HEAD), POST, PUT, DELETE 가 가

doGet(), doPost(), doPut(), doDelete() override . 가

GET 가 HEAD

doGet() POST doPost()

가 service()가 service()

가 가 가

```

init()
ServerConfig
ServerConfig
.do
.destroy()

,

servlets

(Remote Servlet)
URL
"http://host:port/servlet/"

```

1.1 가

가 Windows 95, NT Solaris
 1.1.2 가
 (http://www.javasoft.com/products/java-server) 가
 가 , IIS JSDK
 JSDK JDK 1.2 1.1 가

(Page Compilation)

가 1.1 가
 ASP(Active Server Page)
 ASP
 HTML ASP가 HTML
 ? HTML 가?
 HTML jhtml
 jhtml 가
 가 2 0 19 10

```

<body>
<ul>
<java> out.println("Picture List <br>"); </java>
<java> for (int i = 0; i < 20; i++) { </java>
<li>
<java> if(i>10) { </java>
<a href="PX-i.jpg">
<java> out.println(i); </java>
</a>
<java> } </java>
<java> } </java>
</li>
</body>

<java></java>          가
.          HTML          .          2          ,          가
. out          가          out
HttpServletResponse.getOutputStream()          ServletOutputStream
. Back Quote i          가          Back Quote
가          가          .          `i` <java> out.println(i);
</java>          .

```

```

<html>
<java type=import>
java.net.*;
</java>

<java type=class>
public String getName() {
    return "test";
}
</java>
// html code here
<java>
out.println(getName());
</java>

```



```

HttpSession session = req.getSession(false); // request HttpSession
String s = (String)session.getValue("UserID");
Vector v = new Vector(); v.add("1");
session.putValue("MyVector", v);

```

```

HttpServletRequest req HttpSession
getSession() true가
false session "UserID"
String session
"MyVector" session

```

가

97

98

IIS ASP

가

API

API

가

5

5

```

import javax.servlet.*;
import javax.servlet.http.*;
public class MyServlet extends HttpServlet {

    public void doPost(HttpServletRequest req, HttpServletResponse res)
        throws ServletException, IOException {
        ServletOutputStream out = res.getOutputStream();
        // PrintWriter out = new PrintWriter(res.getOutputStream());
    }
}

```

```

        out.println("<body><h1>                </h1></body>");
    }
}

“      ”      가
ServletOutputStream
“ServletOutputStream out = res.getOutputStream();”
        PrintWriter  PrintStream

```

가
 가
 !
 가
 JSDK
 가
 init()
 가
 가

FileUpload

Java Server 1.1
 가
 가 FileUploadServlet
 ServerInputStream
 multipart/form-data
 RFC 1867
 HttpServletRequest.getInputStream()
 FileUploadServlet
 97
 가
 method

ServletInputStream

(Synchronization)가

가 . POST 가 가
multipart/form-data

가 가 1M 가
가 FileUpload

HTML (FileUpload.html)

6

```
<html> <body>
<form action="/servlet/FileUpload" enctype="multipart/form-data"
method="POST">
What is your favorite color? <input type="text" name="color">
What file are you sending? <input type="file" name="Uploaded">
What is your name <input type="text" name="submitter">
<input type="submit" value="Send">
</form>
</body> </html>
```

public_html

HTML 'c:\boot.ini'

7 가

7

-----14695383380
Content-Disposition: form-data; name="color"

-----14695383380
Content-Disposition: form-data; name="Uploaded"; filename="C:\boot.ini"
Content-Type: application/x-unknown-content-type-inifile

....

-----14695383380

Content-Disposition: form-data; name="submitter"

```

-----14695383380--
      '-----14695383380'가
      가 .
FileUpload      7
      ,
      .
      FileUpload      doPost()      .(multipart/form-data
      POST      doPost()가      .)      8
      parseMultiPartForm(HttpServletRequest)
      가 가      String ,
      "path", "length"      ,      가      ,
      ,
      "filename",
      ,
      .
      8

```

Protected void doPost(HttpServletRequest req, HttpServletResponse res)

Throws ServletException, IOException {

Hashtable h;

nIndex=0;

nContentLen=0;

out=new PrintWriter(res.getOutputStream());

out.println("<head> <title> File Upload </title> </head>");

out.println("<body>");

out.println("<h1> File Upload Test </h1> <p>");

out.flush();

try {

h=parseMultiPartForm(req);

} catch(Exception e) {

out.println("error in your data");

out.flush();

return;

}

if(h!=null) {

out.println("enumeration
");

```

for(Enumeration e=h.keys();e.hasMoreElements();) {
    String sKey=(String)e.nextElement();
    Object o=h.get(sKey);
    out.println(sKey+"<br>"); out.flush();
    if(o!=null) {
        if(o instanceof Hashtable) {
            Hashtable hAtt=(Hashtable)o;
            out.println("filename : "+hAtt.get("filename")+"<br>");
            out.println("path : "+hAtt.get("path")+"<br>");
            out.println("length : "+hAtt.get("length")+"<br>");
        }
        else if(o instanceof String) {
            out.println(o+"<br>");
        }
    }
}
out.println("the end<br>");
out.flush();
}

```

(Property)

```

. FileUpload
. Admin( 9090 )
. "attach" 가
. "attach" 가
. 9 init() ServletConfig
.
. 9
public void init(ServletConfig sc) {
    sBaseDir = sc.getInitParameter("attach_path");
}
. attach_path
FileUpload RFC 1867
parseMultiPartForm() 가
. FileUpload

```

가

HTML

가

가

가

? NT

ASP

COM

CGI API (ISAPI,

NSAPI)

가

Visual Basic

가

~~~~JSDK 2.0 Tutorial~~~~

~~~~Online Tutorial~~~~

가

가

FileUpload.java

:

(www.maso.co.kr)