

friendly way

Also print the IMPLICIT object exception !!!

2. Exception Handling using Error codes !!

In the web.xml add for 404 and 500

```
<error-page>
    <error-code>404</error-code>
    <location>/ehandler1</location>
</error-page>
<error-page>
    <error-code>500</error-code>
    <location>/ehandler2</location>
</error-page>
```

Write 2 servlets with url pattern as ehandler1 and ehandler2 respectively

In those servlets print the error codes and explain the problem in user friendly way

Write a servlet TestServlet

Accept a string from user in url directly

Show the string in uppercase

If the user does not give the string then 500 handler should be invoked

Give a wrong servlet name in the URL , then the 400 handler should be invoked

WE CAN FORWARD THE EXCEPTIONS OR ERRORS to our own PAGES /Servlets instead of letting the browser show the exceptions

EL ==== Expression Language in JSP

To view variable values another syntax is available -----EL syntax

There are SCOPES for variables in JSP -----

page = VARIABLE is alive only for that page `pageContext.setAttribute(key, value);`

request = VARIABLE is alive as long as request is alive `request.setAttribute(key, value);`

```
<%pageContext.getAttribute("key")%>;
```

Browser -----REQ1----->first.jsp -----forward REQ1 ----->error.jsp

```
<%application.getAttribute("key")%>;
```

session = Variable is alive till session is going on and it is not invalidated !!! `session.setAttribute(key, value);`

MULTIPLE requests between Login and Logout

application (ServletContext) = Variable is alive till the WEB Context is not Undeployed !!!

`application.setAttribute(key, value);`

HW ---- try out the ex1.jsp and ex2.jsp as discussed in class !!!

below is shortcut method to retrieve attribute that is its option only for get attribute

set attribute can only be done in above way

EL = purpose is to give easy access of different scope variables in a short hand syntax

`${ property name }` === for seeing request level variable

Remove/delete API	Delete row in table
findAll	Select queries

