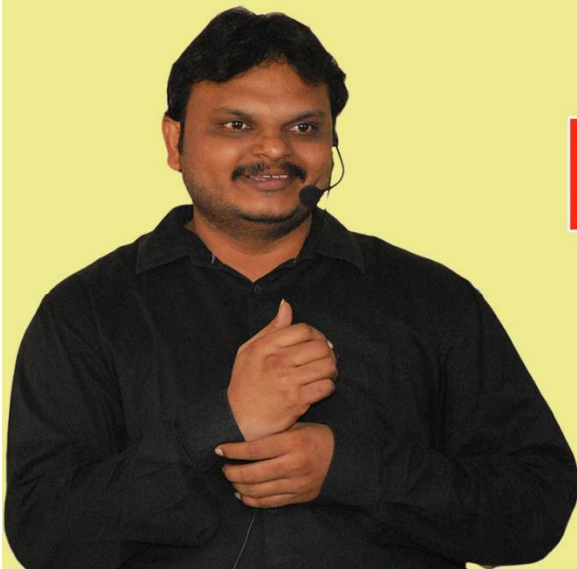


ICON OF JAVA

ADV. JAVA JSP

1. JSP INTRODUCTION



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JSP(JAVA SERVER PAGES)

1.Introduction

The main purpose of the web applications in Enterprise applications area is to generate dynamic response from server machine.

To design web applications at server side we may use Web Technologies like CGI, Servlets, JSP and so on.

CGI is basically a Process based technology because it was designed on the basis of C technology.

If we deploy any CGI application at server then for every request CGI container will generate a separate process.

In the above context, if we send multiple number of requests to the same CGI application then CGI container has to generate multiple number of processes at server machine.



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To handle multiple number of processes at a time server machine has to consume more number of system resources, as a result the performance of the server side application will be reduced.

To overcome the above problem we have to use Thread based technology at server side like servlets.

In web application development, servlets are very good at the time of pick up the request and process the request but servlets are not good at the time of generating dynamic response to client.

Servlet is a Thread based technology, if we deploy it at server then container will create a separate thread instead of the process for every request from the client.

Due to this Thread based technology at server side server side application performance will be increased.

In case of the servlet, we are unable to separate both presentation logic and business logic.

If we perform any modifications on servlets then we must perform recompilation and reloading.

If we want to design web applications by using servlets then we must require very good knowledge on Java technology.

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JSP is a server side technology provided by Sun Microsystems to design web applications in order to generate dynamic response.

The main intention to introduce Jsp technology is to reduce java code as much as possible in web applications.

Jsp technology is a server side technology, it was designed on the basis of Servlet API and Java API.

In web application development, we will utilize Jsp technology to prepare view part or presentation part.

Jsp technology is very good at the time of generating dynamic response to client with very good look and feel.

If we want to design any web application with Jsp technology then it is not required to have java knowledge.

In case of Jsp technology, we are able to separate presentation logic and business logic because to prepare presentation logic we will use html tags and to prepare business logic we will use Jsp tags separately.

If we perform any modifications on Jsp pages then it is not required to perform recompilation and reloading because Jsp pages are auto-compiled and auto-loaded.

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