

- i) What is JSP?
- ii) Contents of JSP?
- iii) Criteria of JSP?
- iv) Implicit object of JSP?
- v) What are the JSP tags?
- vi) Performing the Java codes using JSP?
- vii) Integration HTML & JSP?
- viii) Saving the record in database using JSP?
- ix) What is Adv of JSP over Servlet?

1)

- JSP stands for 'Java Server Page'
- i) JSP is combination of HTML & Java.

2) Contents of JSP?

- There are few contents in JSP
- i) HTML
 - ii) Page Directive :- It is a default content of JSP
 - iii) Scriptlet :- It is a area where we can write Java code in JSP file
 - i) It is also known as JSP element
 - ii) It is a tag which is represented by "<% %>"
 - iv) Expression tag :-
 - i) This tag is used to execute the Java Output.
 - ii) It is represented by "<%= %>"

3) Criteria of JSP?

- We have 3 diff criteria.
- i) We can not write one JSP element inside another JSP element
 - ii) We can write HTML code in JSP element
 - iii) We can use JSP element n no. of time

4) Implicit object of JSP ?

→ In JSP we have 9 type of implicit object

object	type
out	JspWriter
request	HttpServletRequest
response	HttpServletResponse
config	ServletConfig
application	ServletContext
session	HttpSession
pageContext	PageContext
page	object
exception	Throwable

5) JSP tags :-

i) Directive tag → `<%@ %>`

It is used to import into JSP file.

Ex → `<%@ page import = "java.util.*" %>`

ii) Scriptlet tag → `<% %>`

iii) Expression tag → `<%= %>`

iv) Comment tag → `<!-- %>`

It is used to comment any statement on JSP file.

6) Advantage of JSP over Servlet

→ There are many advantages of JSP over the Servlet such as

i) Extension of Servlet

- JSP is internally act like a Servlet, in JSP we have a concept of implicit object, tags, etc.

ii) - Easy to Maintain

JSP can be easily maintained because we can easily separate our business logic with

Internally, Script tag will converted into service () :

Page No.	
Date	

presentation logic but in Servlet we mix our business logic with our presentation logic

iii) less code in JSP over Servlet

In JSP bcz of implicit object the code size will be reduce. Hence it leads to better performances.

★ Presentation logic :

i) In this logic we will be presenting the content to the user.

ii) By using HTML, CSS, JavaScript, etc.

★ Persistence logic :

i) In this logic we will store the data in the database.

ii) By using SQL, JDBC, Hibernate, etc

★ Business logic :-

i) In this logic we will perform some type of validation or calculation or some type of logic

ii) By using Servlet, Spring, etc