

Practical No. 14

Title:- Simple JSP Program.

Description:- JavaServer Pages (JSP) is a technology for developing webpages that supports dynamic content. This helps developers insert Java code in HTML. Pages by makes use of special JSP tags most of which start with `<%` and end with `%>`

A JavaScript Pages component is a type of Java servlet that is designed to fulfill the role of a user interface for a Java web application. web developers write JSP as text files that combine HTML or XHTML code XML elements and embedded JSP actions & commands.

Why Use JSP?

Java server pages often serve the same purpose as programs as programs implemented using the Common Gateway Interface (CGI). But JSP offers several advantages in comparison with CGI.

Performance is significantly better because JSP allows embedding dynamic

elements in HTML Pages itself instead of having separate C&T Files.

* Advantages of JSP:-

① Extension to servlet

JSP technology is the extension to servlet technology, we can use all the features of the servlets in JSP. In Addition we can use implicit objects, predefined tags, expression language.

② Easy to maintain

Jsp can be easily managed because we can easily separate our business logic with Presentation logic.

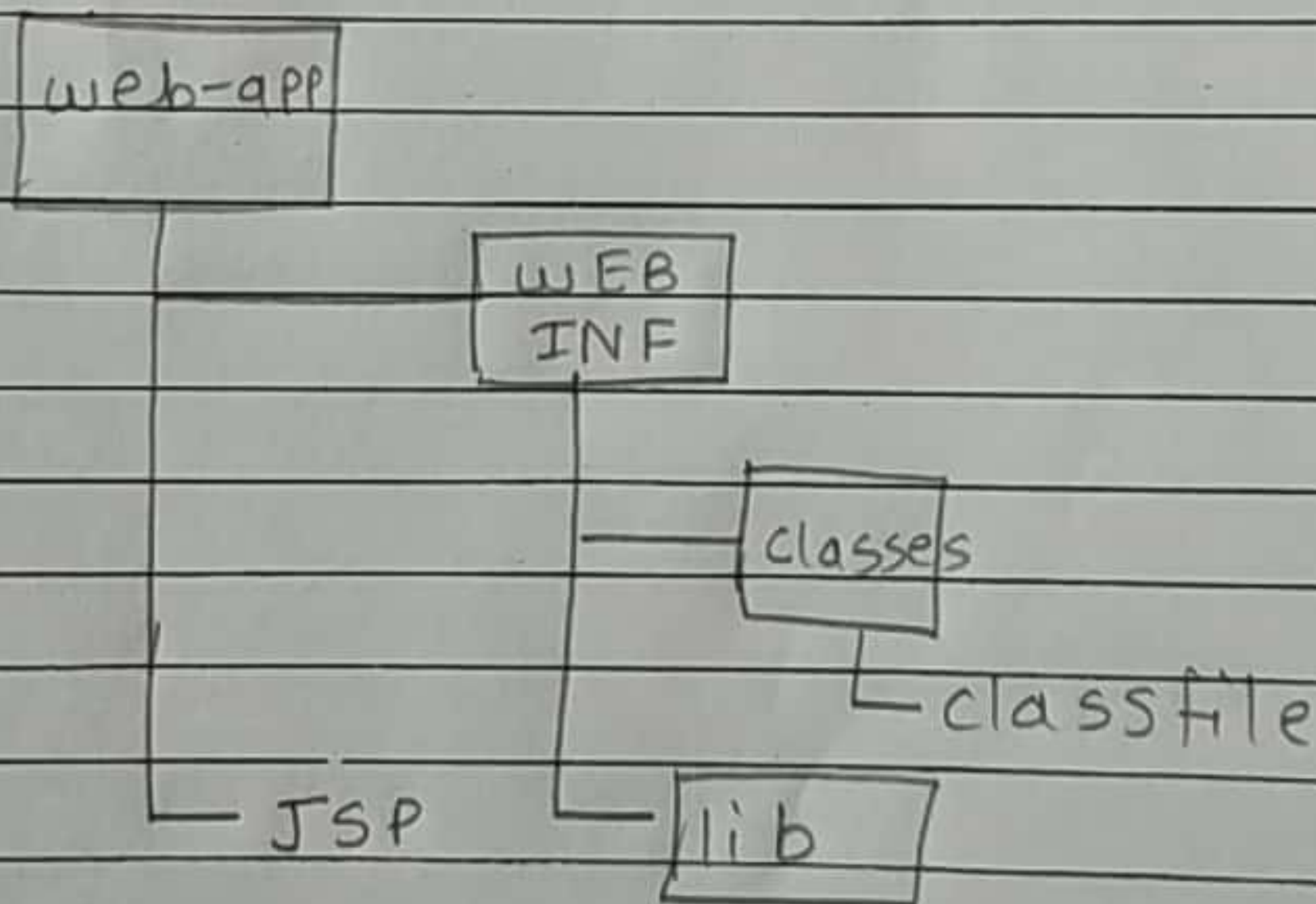
③ less code than servlet.

In JSP we can use many tags such as action tags, JSTL, custom tags. that Reduces the code.

* The life cycle of Jsp page

- ① Translation of JSP Page.
- ② Compilation of JSP Page.
- ③ class loading
- ④ Instantiation
- ⑤ Initialization.
- ⑥ Request
- ⑦ Destroy.

The directory structure of JSP.



* Conclusion:- After Performing this Practical I have learnt to create simple JSP Program.