# ASSIGNMENT 4
## JSTL

**Create a custom tag book having attribute ISBN, title, price, author and Publication and display book detail in proper format**
**Title h1**
**Author Italic and H3 tag**
**ISBN bold and H3**
**Publication H3**
**Price prefix with INR**


**Vvputil.tld**


```xml
<?xml version="1.0" encoding="UTF-8"?>
<taglib version="2.0" xmlns="http://java.sun.com/xml/ns/j2ee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee web-jsptaglibrary_2_0.xsd">

<tlib-version>1.0</tlib-version>
  <short-name>vvputil</short-name>
  <uri>/WEB-INF/tlds/vvputil</uri>

<tag>
   <name>Book</name>
   <tag-class>com.vvp.java.Book</tag-class>
   <body-content>empty</body-content>

   <attribute>
    <name>title</name>
    <required>true</required>
    <rtexprvalue>true</rtexprvalue>
    <type>java.lang.String</type>
   </attribute>

   <attribute>
    <name>isbn</name>
    <required>true</required>
    <rtexprvalue>true</rtexprvalue>
    <type>java.lang.String</type>
   </attribute>

   <attribute>
    <name>price</name>
    <required>true</required>
    <rtexprvalue>true</rtexprvalue>
    <type>double</type>
   </attribute>
```

```xml
    <attribute>
      <name>author</name>
      <required>true</required>
      <rtexprvalue>true</rtexprvalue>
      <type>java.lang.String</type>
    </attribute>
    <attribute>
      <name>publication</name>
      <required>true</required>
      <rtexprvalue>true</rtexprvalue>
      <type>java.lang.String</type>
    </attribute>

  </tag>
</taglib>
```

## Book.java

```java
package com.vvp.java;



import javax.servlet.jsp.tagext.*;
import javax.servlet.jsp.JspWriter;
import javax.servlet.jsp.JspException;

public class Book extends TagSupport {
    private String author;
    private String title;
    private String publication;
    private double price;
    private String isbn;


    @Override
    public int doStartTag() throws JspException {

       JspWriter out=pageContext.getOut();

       try {

          out.println("<h1><b>"+title+"</b></h1><br>");
          out.println("<h3><i>"+author+"</i></h3><br>" );
          out.println("<h3><b>"+isbn+"</b></h3><br>");
          out.println("<h3>"+publication+"</h3><br>");
          out.println("INR "+price );
       } catch (Exception ex) {
          throw new JspException(ex.getMessage());
       }
```

```java
        return SKIP_BODY;
    }

    public void setAuthor(String author) {
        this.author = author;
    }

    public void setTitle(String title) {
        this.title = title;
    }

    public void setPublication(String publication) {
        this.publication = publication;
    }

    public void setPrice(double price) {
        this.price = price;
    }

    public void setIsbn(String isbn) {
        this.isbn = isbn;
    }


}
```

## CustomTag.jsp

```jsp
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<%@ taglib uri="WEB-INF/tlds/vvputil.tld" prefix="util" %>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
  "http://www.w3.org/TR/html4/loose.dtd">

  <util:Book author="ghm" isbn="12ce12" price="1250.54" publication="vvpec"
title="Ajava"></util:Book>
```