

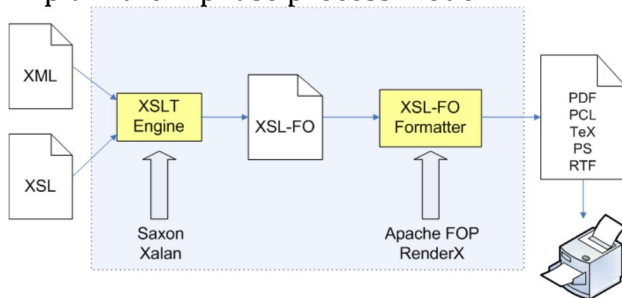
6: XSL – Formatting Objects | Control Questions

1. What is the purpose of XSL-FO ?

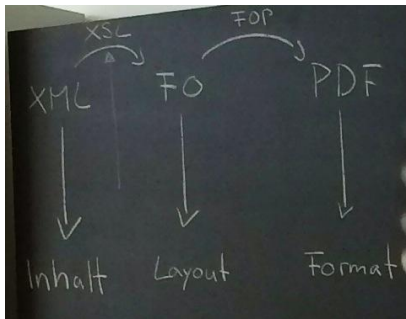
Generieren von Printer optimierten Dokumente.

XSL-FO is a page description language used for producing e.g. printer or e-book reader optimized documents.

2. Explain the 2-phase process model.



1. XML documents are transformed into FO documents using a standard XSL processor. The FO documents contain the actual layout specification.
2. FO documents are then converted into a printable (or page-optimized) format like PDF or RTF using an FO processor.



3. Name typical output formats for FO documents.

PDF, PCL, TeX, PS, RTF, AWT, PNG, TIFF

4. Why do you think did the designers of XSL-FO choose a 2-phase model here.

2 Transformationen

Die erste Phase trennt Inhalt vom Layout, die zweite Phase trennt das Format vom Layout.

5. Describe the general build-up of FO documents, i.e. which components are required to be specified ?

Wurzelknoten, zwei Sektionen:

Layout-Section

Content-Section

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<xsl:template match="/">
  <fo:root>
    <fo:layout-master-set>      ← layout section
    ...
  </fo:layout-master-set>
    <fo:page-sequence>        ← content section
    ...
  </fo:page-sequence>
</fo:root>
</xsl:template>
  
```

6. How does the FO processor transform an FO document into the requested output document.

Überprüft die Seiten (layout) und die dazugehörigen Blöcke. Dann wird der Inhalt auf die Blöcke aufgeteilt und die jeweiligen Seiten dazu erstellt.