

The screenshot shows the XMLMind Editor interface. The title bar indicates the file path: `/ma/goik/workspace/Q/sample.xml`. The menu bar includes: File, Select, Edit, Search, View, Tools, DocBook, Window, Options, Help. The toolbar contains various icons for file operations, editing, and formatting. The breadcrumb path is: `section > table > tr > td > #text`. The tab bar shows: `software.xml`, `lectures.xml`, `sample.xml` (active), and `general.xml`. The main editing area displays a table with the following content:

1 Sample elements

A sample table

	<colgroup/>	<colgroup/>
1997	45.000,00€	
2003	52.000,00€	

A context menu is open over the table, showing the following options: Insert Before, Insert After (highlighted), Cut, Copy, Paste Before, Paste After, and Delete. The right sidebar contains the 'Edit' panel with a pi symbol and the 'Attributes' panel with fields for 'Attri...' and 'Value'.

The screenshot displays the Oxygen XML Editor interface. The title bar reads "workspace - <oxygen/> XML - Q/sample.xml - Eclipse". The main toolbar contains various icons for file operations, editing, and navigation. Below the toolbar is a "Quick Access" button. The editor area shows a document titled "*sample.xml" with a table structure. The table has a header row with columns "section", "table", "tr", and "td". Below the header, there is a row with the text "Section 1: Sample elements" and "A sample table". A tooltip is visible over the "Insert a new table row" icon, stating "Insert a new table row below the current one." The tooltip is a dark rectangle with white text. The editor area also shows a "Styles" dropdown menu and various formatting options like bold, italic, underline, and text color.

workspace - <oxygen/> XML - Q/sample.xml - Eclipse

Quick Access

*sample.xml

section table tr td

Section 1: Sample elements

A sample table

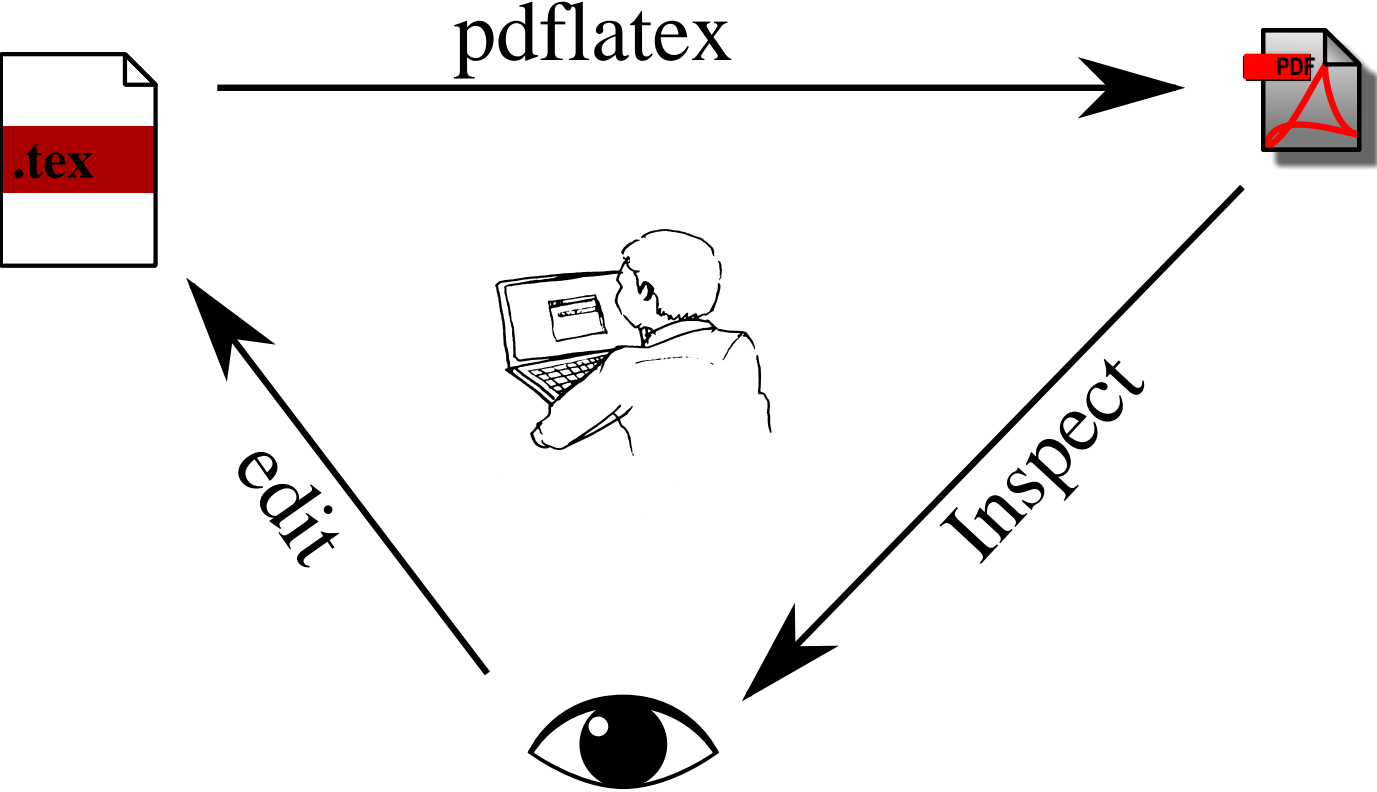
colgroup

Insert a new table row below the current one.

Vendor links

- XMLMind editor personal edition
- Oxygen XML Editor 19

Inverse editing

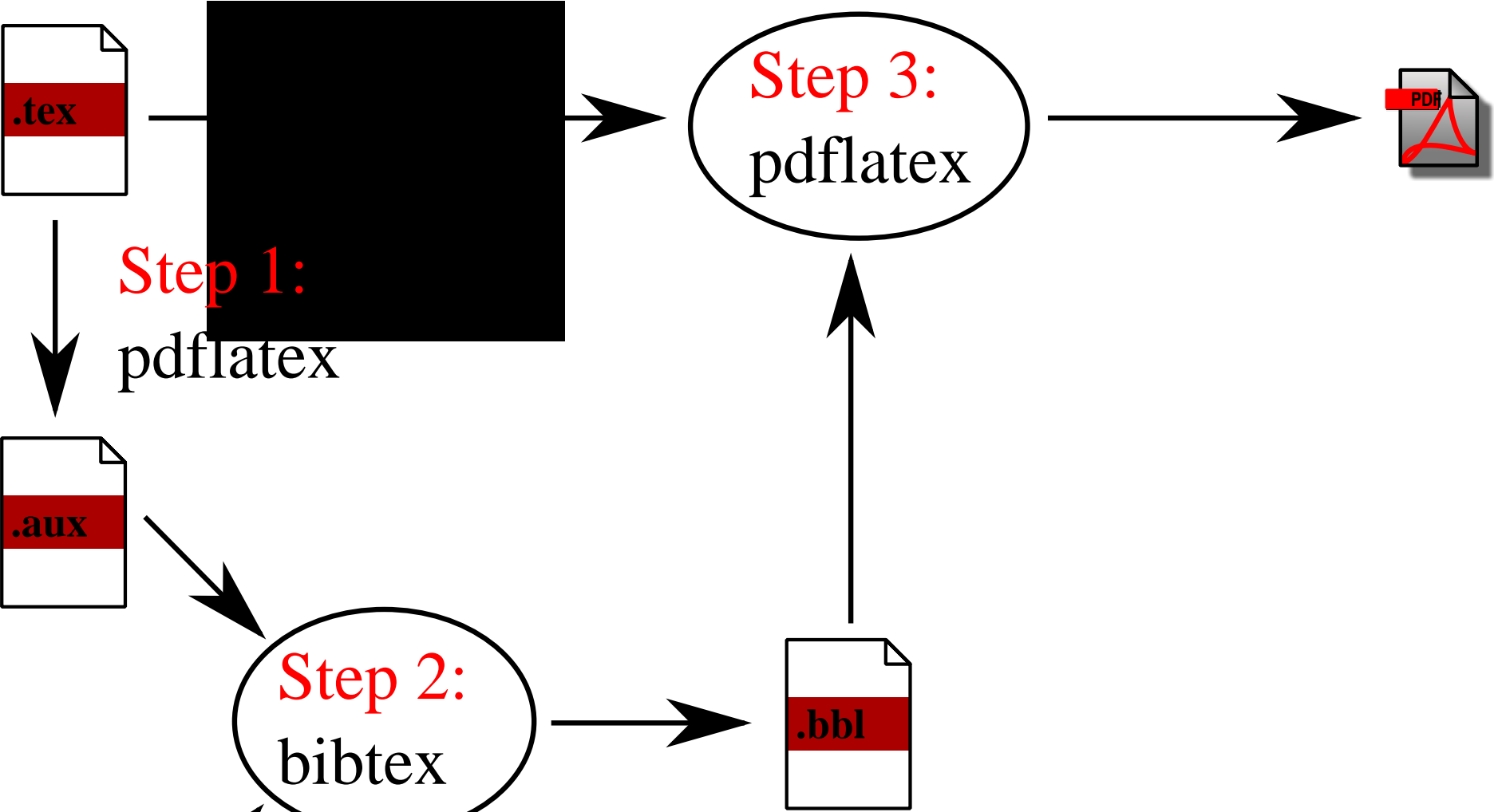


Document representation

```
\documentclass{article}
\usepackage{listings}           % Include the listings-pa
\begin{document}
\lstset{language=Pascal}       % Set your language
\begin{lstlisting}[frame=single] % Start your code-block
for i:=maxint to 0 do
begin
{ do nothing }
end;
Write('Case insensitive ');
Write('Pascal keywords. ');
\end{lstlisting}
```

Components

<ul style="list-style-type: none">• TeX compiler• LaTeX macros• CTAN extensions• BibTeX	<ul style="list-style-type: none">• Makeindex• MetaFont• HTML converter• more in the universe ...
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Makeindex example

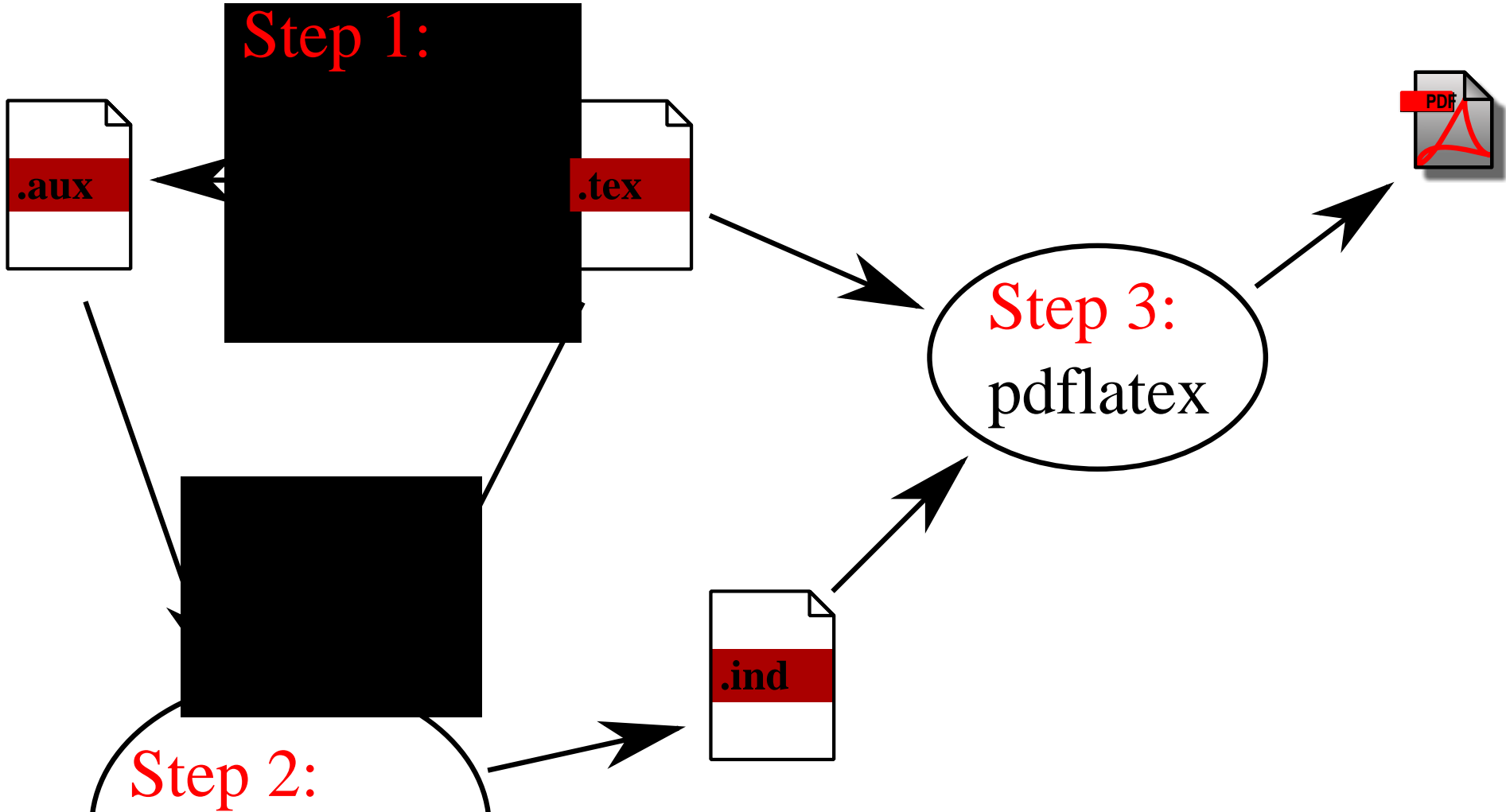
```
\documentclass{article}  
\usepackage[utf8]{inputenc}  
\usepackage{imakeidx}  
\makeindex
```

```
\begin{document}  
\section{Introduction}  
In this example several keywords\index{keywords} will be used  
which are important and deserve to appear in the Index\index{Index}.
```

Terms like generate\index{generate} and some\index{others} will
also show up.

```
\printindex  
\end{document}
```


Makeindex work flow



Extension example: MusiXTeX



The coding is as follows:

```
\begin{music}  
  \parindent10mm  
  \instrumentnumber[1]
```

```
% o single inc
```

Flavours

- Docbook 4.X

Document oriented, based on DTD

- Docbook 5.0.X

Document oriented, based on RelaxNG.

- Docbook 5.1

Introducing topics

Components

Schema. <ul style="list-style-type: none">• Docbook 4.x: DTD• Docbook 5.x: RelaxNG	XSL style sheets. <ul style="list-style-type: none">• HTML<ul style="list-style-type: none">• (X)HTML 5• Webhelp• Eclipse help• Epub• PDF using Formatting objects
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Editors

- XMLMind Editor
- Oxygen XML Author
- Emacs Nxml mode

Related exercises

Exercise 11: LaTeX hello,... world

Exercise 12: Important elements

Exercise 13: Macro

Exercise 14: A complete document