

The screenshot shows the XMLMind Editor interface. At the top, the title bar displays the file path `/ma/goik/workspace/Q/sample.xml`. Below it is a menu bar with options: File, Select, Edit, Search, View, Tools, DocBook, Window, Options, and Help. A toolbar contains various icons for file operations and editing. Below the toolbar is a breadcrumb path: `section > table > tr > td > #text`. The main workspace shows a document with tabs for `software.xml`, `lectures.xml`, `sample.xml` (active), and `general.xml`. The content of the active document is as follows:

- A blue heading: **1 Sample elements**
- A sub-heading: *A sample table*
- XML code: `<colgroup/>` `<colgroup/>`
- A table with two columns and two rows:

| | |
|------|------------|
| 1997 | 45.000,00€ |
| 2003 | 52.000,00€ |

A context menu is open over the table, listing the following actions: Insert Before, Insert After (highlighted by the mouse), Cut, Copy, Paste Before, Paste After, and Delete. On the right side of the editor, there are vertical toolbars for 'Edit' and 'Attributes'.

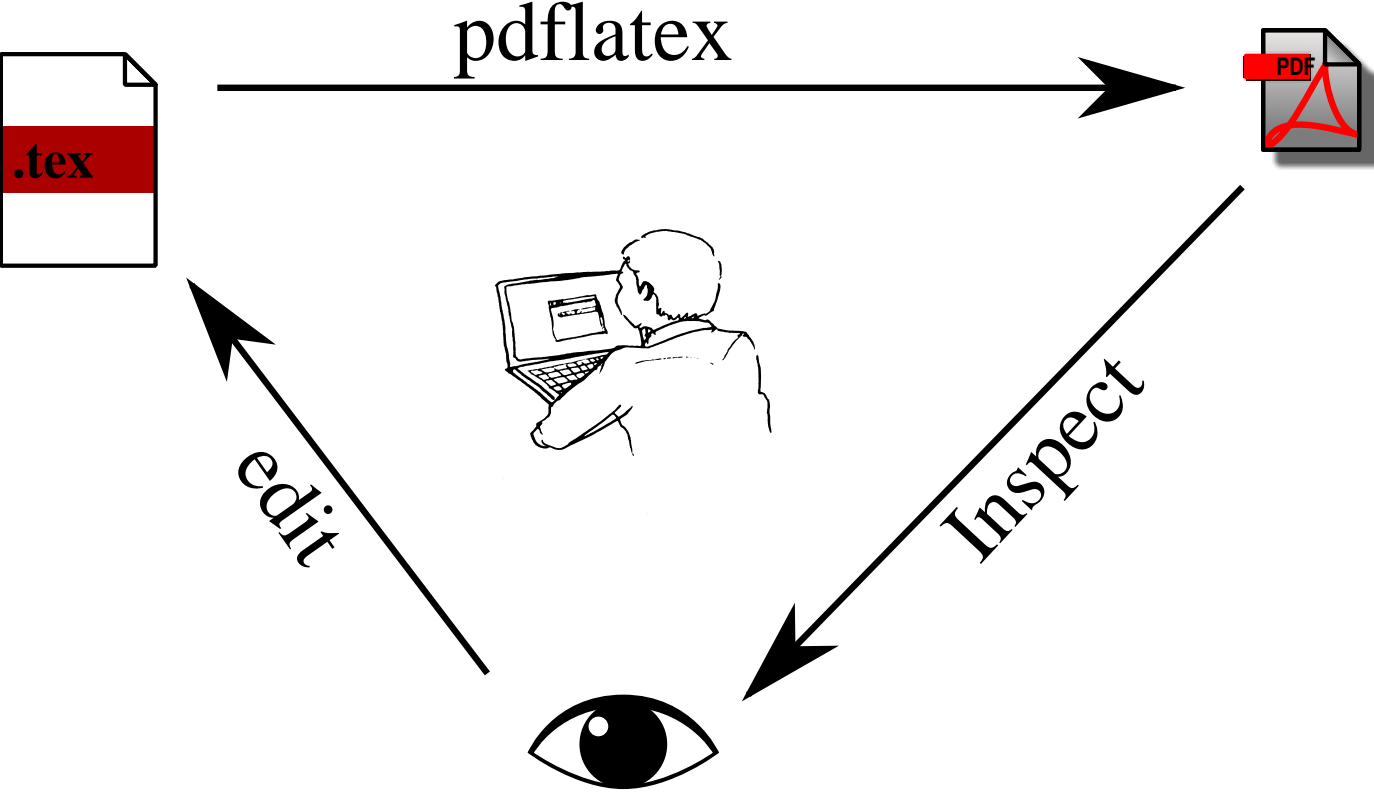
Oxygenxml Author

The screenshot shows the Oxygen XML Editor interface. At the top, the title bar reads "workspace - <oxygen/> XML - Q/sample.xml - Eclipse". Below the title bar is a main toolbar with various icons for file operations, editing, and navigation. A "Quick Access" search box is located on the right side of the main toolbar. The editor area shows a document titled "*sample.xml" with a toolbar for table editing. This toolbar includes icons for undo, redo, and various table actions. A tooltip is visible over the "Insert new row" icon, containing the text: "Insert a new table row below the current one." The main content area displays the text "Section 1: Sample elements" in a large, bold, blue font, followed by "A sample table" and "colgroup" in a smaller font.

Vendor links

- XMLMind editor personal edition
- Oxygen XML Editor 19

Inverse editing



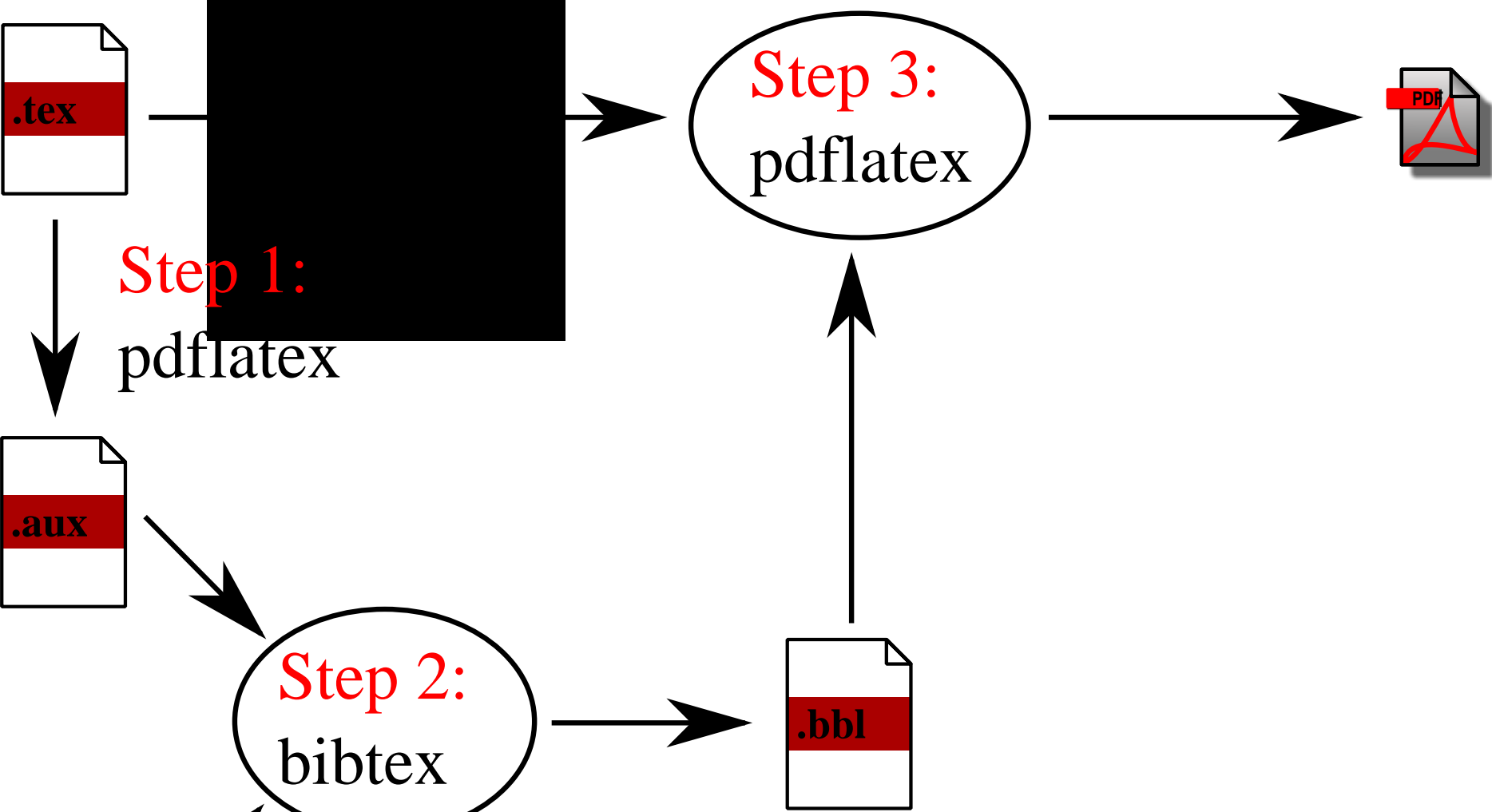
Document representation

```
\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

- TeX compiler
- LaTeX macros
- CTAN extensions
- BibTeX

- Makeindex
- MetaFont
- HTML converter
- more in the universe ...



Makeindex example

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

```
\begin{document}
```

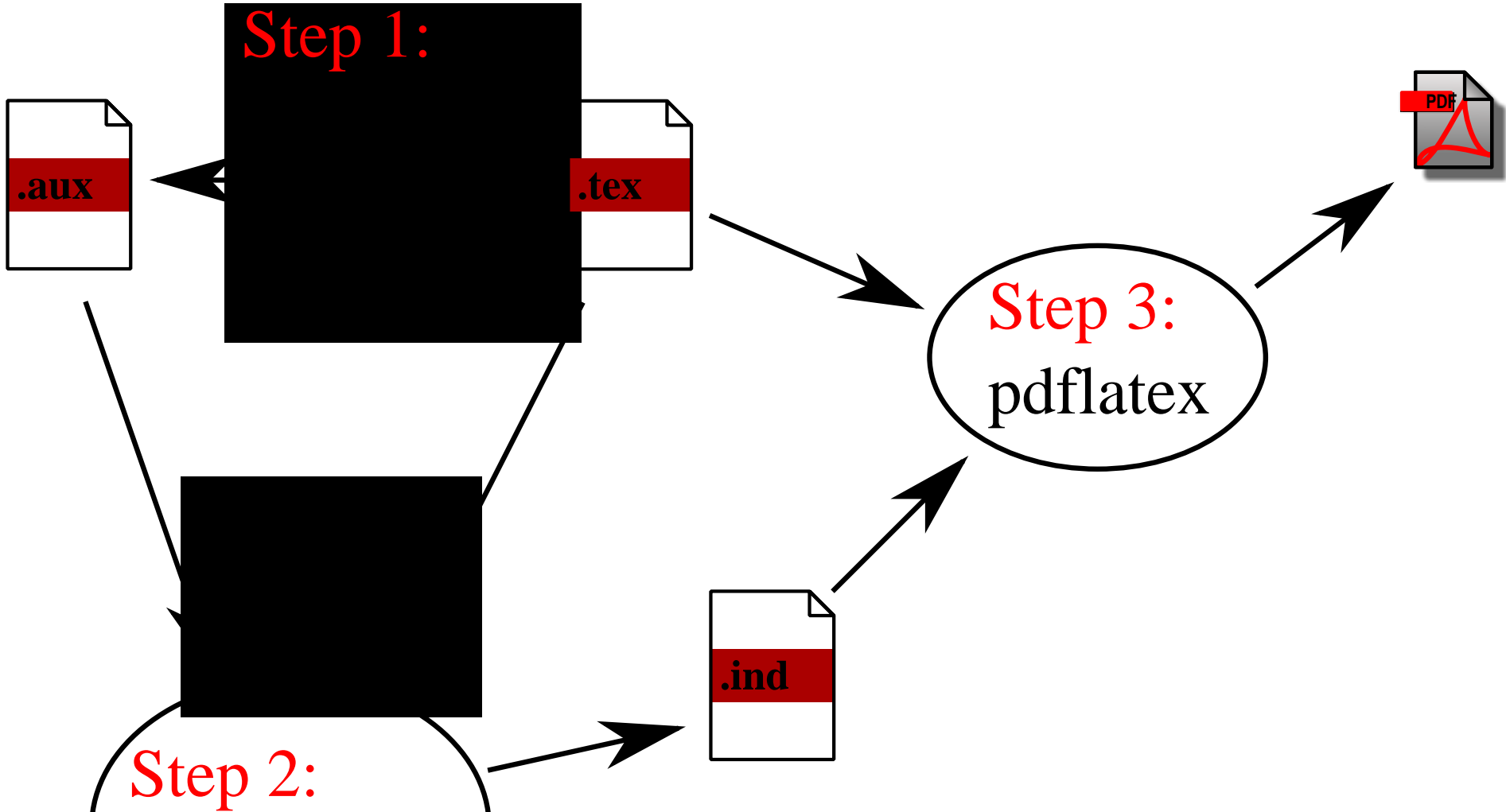
```
\section{Introduction}
```

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



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.

- Docbook 4.x: DTD
- Docbook 5.x: RelaxNG

XSL style sheets.

- HTML
 - (X)HTML 5
 - Webhelp
 - Eclipse help
 - Epub
- PDF using Formatting objects

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