

Answers to the exercises for chapter: **L^AT_EX**

1. foo
2. A macro is a piece of replacement text. Therefore it does not induce a group, like a function does. It does not even have to be a complete instruction. Looping in a macro language is done with tail recursion. Since tail recursion does not need to maintain a stack, there is no difference in efficiency.
3. In the first case, clearly there was a percent sign after the 90 that was not escaped. The remaining text on the line was then ignored by L^AT_EX. The word ‘From’ has special meaning in email. If this word appears at the beginning of a line, mail software escapes it with >.
- 4.
5. The `\verb` command should be able to have braces, in particular a closing brace, in its argument.
6. Consider the case where the toc is at the start of the document. The first pass generates the toc and the labels. In the second pass labels are used, but because the toc is inserted, the page references are off again and another pass is needed.
7. In T_EX by Topic no information is against the spine of the book. That makes it easier to leaf through it searching for both section titles and page numbers. The right running head seems to the number and title of the first section that starts on that page, if any. Having the title of the *last* section would be better.
8. The environment given does not work, because after the verbatim begin, L^AT_EX looks for a literal end verbatim line.
9. First part

```
\newcounter{answer}
\newenvironment{answer}
  {\refstepcounter{answer}
   \par \textbf{Problem \arabic{answer}.}\ }
  {\par}
```

Put any code snippets in include files, which you include with `\input` and `\verbatiminput`.