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1 % !TEX program = xelatex
2 % !TEX encoding = UTF-8 Unicode
3 % !TEX spellcheck = de-DE
4
5 % use KOMA class for cool presets like A4
6 \documentclass{scrartcl}
7
8 % load default packages for german and unicode support
9 \usepackage{polyglossia}
10 \setmainlanguage{german}
11 \usepackage{xltextra}
12
13 % load booktabs for nice and pretty tables
14 \usepackage{booktabs}
15 \usepackage{multirow}
16
17 % set main font to our beloved libertine fonts
18 \setmainfont{Linux Libertine O}
19
20 % not really necessary, but who likes writing names on documents by hand...
21 \usepackage{scrlayer-scrpage}
22 \pagestyle{scrheadings}
23
24 \lohead{Übung 3.1} % left header
25 \rohead{Hein-Erik Schnell, Jan Sören Breidenbach, Thomas Rüd} % right header
26
27 % create new command to easily insert roman numbers, better handled by latex
28 % than just I, V etc. Command is called with \rom{SomeNumber}. In the background
29 % it actually does a bit more than just execute \romannumeral we make sure
30 % everything is stopped after the insertion with \relax. Then we first execute
31 % \romannumeral and make sure its uppercase afterwards. For that we use
32 % \expandafter.
33 % "Is this really necessary?", one might ask; probably not as \romannumeral
34 % by itself just replaces the number with an adequate letter like i v x c l ...
35 % BUT having numerals easily visible as such in the tex file is something that
36 % might be beneficial, furthermore it works for large numbers too, for which
37 % most dont remember the actual form to write in latin. Thus this command rocks!
38 % Further note: is \expandafter deprecated in latex: maybe
39 % did I find a usable alternative: not really
40 \newcommand{\Urom}[1]{\uppercase\expandafter{\romannumeral #1}\relax}}
41
42 % start with the actual content
43 \begin{document}
44 % start floating environment called table because $reasons
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45 % forcibly put on top to fit the other on bottom
46 % this table is technically easier than the other one, we think its also the
47 % better looking one, but yeah, to toy around with multicolumn theres the 2nd
48 % table tab:andersvielsagend
49 \begin{table}[h]
50 % start actual table with 2 left aligned columns, and then 4 centered columns
51 \begin{tabular}{llcccc}
52 % add fancy horizontal line to mark start of table
53 \toprule
54 % this is the head for the columns
55 Produkt & Herkunft & Saisonanfang & Saisonende
56 & Handelskl. & verfügbar & \\
57 % thinner horizontal line to mark end of head for columns
58 \midrule
59 % table "body" content
60 Auberginen & Frankreich & Juli & & September
61 & \Urom{1} & & nein & \\
62 Esskastanien & Frankreich & September & & September
63 & \Urom{1} & & nein & \\
64 Feldsalat & Deutschland & Oktober & & Februar
65 & \Urom{2} & & ja & \\
66 Kürbis & Deutschland & August & & Dezember
67 & \Urom{1} & & ja & \\
68 Rote Beete & Italien & September & & Februar
69 & \Urom{1} & & ja & \\
70 Zucchini & Spanien & Juni & & Oktober
71 & \Urom{2} & & nein & \\
72 Zwiebeln & Deutschland & Mai & & Oktober
73 & - & & nein & \\
74 % add thick horizontal line to mark end of table
75 \bottomrule
76 % end actual table
77 \end{tabular}
78 % give the item in table environment (tabular) a name thats displayed below it
79 \caption{Die vielsagende Tabelle}
80 % give the float an internal name for references
81 \label{tab:vielsagend}
82 \end{table}
83
84 \begin{table}
85 % start actual table with 2 left oriented columns one right and left with a
86 % " - " between them and 2 more centered columns this enables fake align at
87 % connection operator "-" between timespans as we use a multicolumn for the
88 % column title and when the giving a span is not necessary.

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89  \begin{tabular}{llr@{ - }lcc}
90  \toprule
91  Produkt      & Herkunft      & & \multicolumn{2}{c}{Saison} \\
92  & Handelskl. & & & verfügbar \\
93  \midrule
94  Auberginen  & Frankreich    & Juli          & & September \\
95  & \Urom{1}      & & & nein \\
96  Esskastanien & Frankreich    & \multicolumn{2}{c}{September} \\
97  & \Urom{1}      & & & nein \\
98  Feldsalat   & Deutschland   & Oktober       & & Februar \\
99  & \Urom{2}      & & & ja \\
100 Kürbis      & Deutschland   & August        & & Dezember \\
101 & \Urom{1}      & & & ja \\
102 Rote Beete  & Italien       & September     & & Februar \\
103 & \Urom{1}      & & & ja \\
104 Zucchini   & Spanien       & Juni          & & Oktober \\
105 & \Urom{2}      & & & nein \\
106 Zwiebeln   & Deutschland   & Mai & & Oktober \\
107 & - -          & & & nein \\
108 \bottomrule
109 \end{tabular}
110 \caption{Die anders vielsagende Tabelle}
111 \label{tab:andersvielsagend}
112 \end{table}
113 % end of written content
114 \end{document}
115
116 % vim: ft=tex et sw=2 tw=80:

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