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ConTEXT  
demo suite  
June 4, 1999

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# A simple document

1 `\showframe`

2 `\starttext`

3 This is a very simple document typeset using the default  
4 layout settings. If you want to see more of the layout, you  
5 can say:

6 `\starttyping`

7 `\showframe`

8 `\stoptyping`

9 When setting up a layout `\type {\showframe}` and `\type`  
10 `{\showlayout}` can save a lot of trial and error. The default  
11 layout is asymmetrical.

12 `\stoptext`

# Setting up the page

```
1 \setuppapersize
```

```
2   [A5][A4]
```

```
3 \setuplayout
```

```
4   [width=middle,
```

```
5   height=middle,
```

```
6   marking=on,
```

```
7   location=middle]
```

```
8 \setupnumbering
```

```
9   [alternative=doublesided]
```

```
10 \setupbodyfont
```

```
11   [10pt]
```

```
12 \starttext
```

```
13 This is an A5 document. The page is mapped onto A4. There  
14 are a lot of mapping features present in \ConTeXt. By
```

15 setting the `\type {location}` to `\type {center}`, we center  
16 this A5 page on the A4 paper.

17 The default layout settings of `\ConTeXt` are meant for quick  
18 and dirty, single sided, reports. Here we prefer a centered  
19 doublesided layout. We let `\ConTeXt` calculate the width  
20 and height. Say `\type {\showframe}` if you want to check  
21 this.

22 `\page \showframe`

23 The default bodyfont size is 12 points, which is rather  
24 large for A5 based documents. Don't confuse `\type`  
25 `{\setupbodyfont}` with `\type {\switchtobodyfont}`; the first  
26 sets the main document fonts (sizes) while the latter is  
27 meant for local use. Using `\type {\setupbodyfont}` halfway a  
28 document will lead to strange effects when crossing pages,  
29 because this command also affects headers and footers.

30 `\stoptext`

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# Using the margin

```
1 \setupheads
2   [alternative=inmargin]
3
4 \setuphead
5   [chapter]
6   [style=\bfb]
7
8 \setuphead
9   [section]
10  [style=\bfa]
11
12 \setupitemize
13   [1]
14   [inmargin,packed]
15
16 \setupnumbering
17   [alternative=doublesided]
18
19 \starttext
```

15 `\chapter {This or That}`

16 `\section {Such or so}`

17 One of the oldest commands concerns typesetting itemized  
18 lists. Although in principle all settings can take place at  
19 the location of an itemization, it sometimes makes sense to  
20 to this at the document level.

21 `\startitemize`

22 `\item one`

23 `\item two`

24 `\item three`

25 `\stopitemize`

26 Here we put the first level item marks in the margin. To  
27 save space we also pack them. Whenever you find yourself in a  
28 situation of setting things up, you should ask yourself if it  
29 would make sense to do it at the document level. A clean  
30 document source in general leads to a more consistently  
31 typeset result.

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```
\stoptext
```

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# Adaptive headers and footers

```
1 \setupheadertexts
2   [pagenumber]
3
4 \setupfootertexts
5   [chapter]
6
7 \definertext
8   [start of chapter]
9   [footer]
10  [pagenumber]
11
12 \setuphead
13   [chapter]
14   [footer=start of chapter,
15   header=empty]
16
17 \starttext
18
19 \chapter {This or That}
```

15 `\section {Such or so}`

16 Imagine that we want to show the title of the chapter in the  
17 footer and the page number in the header. At the first page of  
18 a chapter, this would mean that the title is shown twice,  
19 which does not look that good. When we also want the  
20 page number not to show up on top of every page we have to  
21 set up the header and footer in such a way that the first  
22 page of a chapter is treated differently.

23 `\page`

24 This sample shows an application of logical running heads. We  
25 set up the header and footer texts to show the page number and  
26 chapter title. One can use the name of a sectioning command  
27 as keyword.

28 `\chapter {Here or there}`

29 `\section {Yes or no}`

30 We can temporarily change the status of the header and footer

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31 of a page where a sectioning command occurs. Here we only  
32 need to set the chapter related values.

33 `\page`

34 We simply switch of the header. When we had said `\type`  
35 `{high}`, the title would have been moved up. The footer is  
36 assigned a logical name of the alternative footer text. This  
37 alternative is defined by `\type {\definetext}`, where the  
38 second argument specifies the location.

39 This is typically a feature that can go unnoticed for a long  
40 time, unless desperately needed.

41 `\stoptext`

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# Some bookmarks

```
1 \setupbodyfont[pos]
2 \setupinteraction [state=start]
3 \placebookmarks [chapter, section] [chapter]
4 \starttext
5 \chapter {First One}
6 \section {Alpha}
7 \section {Beta}
8 \bookmark {indeed a beta}
9 \typefile {d-en-005.tex}
10 \chapter {Second One}
```

```
11 \section {Gamma}
```

```
12 \section {Delta}
```

```
13 Suggestion: when you use \type {texexec}, you got as many  
14 runs as needed. This file was processed by saying:
```

```
15 \starttyping
```

```
16 texexec --pdf d-en-005
```

```
17 \stoptyping
```

```
18 This script runs \type {texutil} and \TeX\ as many times as  
19 needed to get all cross references right.
```

```
20 \stoptext
```

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# Moving blocks around

```
1 \setupindenting[medium]
```

```
2 \starttext
```

```
3 \subject{Indentation}
```

```
4 I wonder if indentation is related to dents. Certainly, a  
5 text with many small lines, rotated 90 degrees, will look  
6 like something dented.
```

```
7 \startitemize[packed,three]
```

```
8 \item in
```

```
9 \item dent
```

```
10 \item indent
```

```
11 \stopitemize
```

```
12 After such an itemization, indentation is suppressed. This  
13 is common practice and therefore default behavior of  
14 \ConTeXt, if you like it or not. This behavior, of course,
```

15 can be turned off.

16 So, until now we still didn't see any indentation, first  
17 because after sectioning commands, indentation is  
18 suppressed, and second, because after the white space  
19 following the itemization, it is suppressed too. But not in  
20 this paragraph!

21 Don't confuse `\type {\setupindenting}` and `\type`  
22 `{\indenting}`. The first one sets the amount, and the second  
23 the state. When the amount is changed, by default  
24 indentation is also becomes enables.

```
25 \startbuffer  
26 \indenting[never]  
27 \stopbuffer
```

```
28 \getbuffer
```

29 Just before we entered this paragraph, I added the next  
30 command, which suppresses indentation from now on.

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31 `\typebuffer`

32 Of course, this paragraph is not indented anyway, because  
33 it follows white space. But you already knew that. A simple  
34 way to force an indentation is putting `\type {\indentation}`  
35 in front of the paragraph.

36 `\stoptext`

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# Indentation Yes or No

```
1 \defineblock[Question]
2 \defineblock[Answer]

3 \hideblocks[Answer]

4 \defineenumeration[Question]
5 \defineenumeration[Answer]

6 \starttext

7 \title{Questions}

8 \beginQuestion
9 \Question The first question.
10 \endQuestion

11 \beginAnswer
12 \Answer The first answer.
13 \endAnswer
```

```
14 \beginQuestion
15 \Question The second question.
16 \endQuestion

17 \beginAnswer
18 \Answer The second answer.
19 \endAnswer

20 \title{Answers}

21 \useblocks[Answer]

22 \stoptext
```

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# Tables with colored rows and columns

```

1 \setupcolors[state=start]
2 \starttext
3 \starttable[|c|c|c|]
4 \HL
5 \VL A \VL B \VC[red] C \VL\SR
6 \HL
7 \VL A1 \VL B1 \VC B1 \VL\FR
8 \VL A3 \VL B3 \VC B3 \VL\LR
9 \HL
10 \stoptable
11 \starttable[|c|c|c|]
12 \HL
13 \BL[c, red] \BC \SR
14 \VL A \VL B \VL C \VL\SR
15 \HL
16 \BR\FR
    
```

```

17 \VL A1      \VL B1      \VL B1      \VL\FR
18                \BR\MR
19 \VL A1      \VL B1      \VL B1      \VL\MR
20                \BR\LR
21 \VL A3      \VL B3      \VL B3      \VL\LR
22 \HL
23 \stoptable

24 \starttable[|c|c|c|]
25 \HL
26 \BL[c,red]          \BC          \SR
27 \VL A      \VL B      \VL C      \VL\SR
28 \HL
29 \BL[c,red]          \BC          \FR
30 \VL A1      \VL B1      \VL B1      \VL\FR
31 \VL A1      \VL B1      \VL B1      \VL\MR
32 \BL[c,red]          \BL[c,green] \MR
33 \VL A1      \VL B1      \VL B1      \VL\MR
34 \BL[c,red]          \BL[c,green] \MR
35 \VL A1      \VL B1      \VL B1      \VL\MR
36 \BL[c,red]          \BL[c,green] \LR
37 \VL A3      \VL B3      \VL B3      \VL\LR

```

contents

sample

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exit

```
38 \HL
39 \stoptable
40 \stoptext
```

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# Tooltips to hyperlinks

```
1 % interface=en output=pdf
2 \starttext
3 \startbuffer[setup]
4 \setuppapersize[S6][S6]
5 \setupbodyfont[pos,14.4pt]
6 \setupcolors[state=start]
7 \setupinteraction[state=start]
8 \stopbuffer
9 \startbuffer [rest]
10 There is a \gotobox {\tooltip {last page}}
```

```
11 {indeed, clicking here will bring you to
12 the last page}} [lastpage] too in this
13 document.
```

```
14 \typebuffer[setup] \page
```

```
15 From this it follows that there is also
16 a \gotobox {\tooltip {first page} {this
17 button lets you to the first page}}
18 [firstpage].
```

```
19 \typebuffer[rest] \page
```

```
20 \stopbuffer
```

```
21 \getbuffer[setup]
```

```
22 \getbuffer[rest]
```

```
23 \stoptext
```

contents

sample

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exit

# Everything can be a graphic

```
1 \startbuffer[hans]
2   \startuseMPgraphic{dummy}
3     fill unitsquare scaled 100 withcolor red ;
4   \stopuseMPgraphic
5   \useMPgraphic{dummy}
6 \stopbuffer
```

```
7 \starttext
```

8 Nearly everything can be a scalable figure: just put the  
9 content in a buffer, and load this buffer as graphic.

```
10 \externalfigure[hans.tmp][width=3cm]
```

```
11 \externalfigure[hans.tmp][width=2cm]
```

```
12 \externalfigure[hans.tmp][width=1cm]
```

13 When generating `\kap{pdf}` output, these graphics are included

14 once and reused when needed.

```
15 \useexternalfigure[bighans][hans.tmp][width=3cm]
```

```
16 \useexternalfigure[medhans][hans.tmp][width=4cm]
```

```
17 \placefigure{One}{\externalfigure[bighans]}
```

```
18 \placefigure{Two}{\externalfigure[medhans]}
```

19 They just behave like any other, external graphic. Here we  
20 showed some trivial `\METAPOST` drawing, but tables do well  
21 too. But beware: annotations (hyperlinks and so on) fail, due  
22 to limitations in the `\kap{pdf}` format.

```
23 \stoptext
```

contents

sample

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exit

# Many pieces of layout

```
1 \setuplayout
2   [top=1cm,
3     bottom=1cm,
4     width=middle,
5     height=middle]

6 \setupbackgrounds
7   [top,header,text,footer,bottom]
8   [text,leftmargin,rightmargin,leftedge,rightedge]
9   [frame=on]

10 \setupbackgrounds
11   [header]
12   [leftmargin]
13   [background=screen]

14 \setupfootertexts
15   [date]
```

```
16 \setupcolors
17   [state=start]
18 \setupbottomtexts
19   [left][right]
20 \starttext
21 some text
22 \stoptext
```

contents

sample

back

exit

# This file

```
1 \setuppapersize
2   [S6][S6]
3 \setuplayout
4   [header=0cm,
5     topspace=.5cm,
6     backspace=2cm,
7     margindistance=.5cm,
8     margin=1cm,
9     rightmargin=0cm,
10    rightedge=2cm,
11    edgedistance=.5cm,
12    width=fit,
13    footer=1cm,
14    height=middle]
15 \setupbodyfont
16   [1br]
```

```
17 \setuphead
18   [chapter]
19   [alternative=inmargin,
20    number=no,
21    ownnumber=yes,
22    after={\blank[3*medium]}]
```

```
23 \setupfootertexts
24   [text]
25   [chapter][chapternumber]
```

```
26 \setupcolors
27   [state=start]
```

```
28 \setuptyping
29   [option=tex]
```

```
30 \setupinteraction
31   [state=start,
32    style=,
33    color=,
34    contrastcolor=,
```

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```
35     menu=on,  
36     title=ConTeXt Demo Suite,  
37     author=Hans Hagen]  
  
38 \definecolor [DarkGray] [s=.6]  
39 \definecolor [MediumGray] [s=.8]  
40 \definecolor [LightGray] [s=.9]  
  
41 \setupinteractionmenu  
42     [right]  
43     [background=color,  
44     backgroundcolor=LightGray,  
45     frame=off,  
46     state=start]  
  
47 \startinteractionmenu[right]  
48     \but [content]          contents \\  
49     \but [sample]         sample   \\  
50     \but [PreviousJump]  back     \\  
51     \but [CloseDocument] exit     \\  
52     \vfill  
53 \stopinteractionmenu
```

contents

sample

back

exit

```
54 \setupbackgrounds
55   [page]
56   [background=color,
57    backgroundcolor=MediumGray]

58 \setupbackgrounds
59   [text][text]
60   [background=color,
61    backgroundcolor=LightGray,
62    backgroundoffset=1.25mm]

63 \setuplist
64   [chapter]
65   [alternative=f,
66    after=,
67    before=]

68 \setuptyping
69   [before=,
70    after=]

71 \definefont [RatherLarge] [RegularBold at 42pt]
```

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```
72 \def\ShowSample#1#2%
73   {\chapter{#1}{#2}
74   \definereference[sample][d-en-#1::]
75   \startlinenumbering
76   \typefile {d-en-#1.tex}
77   \stoplinenumbering
78   \page
79   \definereference[sample] []}

80 \starttext

81 \setuplayout
82   [leftmargin=0cm,backspace=.5cm,footer=0cm]

83 \setuptexttexts
84   [{\externalfigure[mp-cont.502][height=\textheight]\hfill}]

85 \startstandardmakeup
86   \vskip.5cm
87   \vfill
88   \startcolor[DarkGray]
89   \raggedleft
```

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```
90     \RatherLarge\setupinterlinespace
91     \ConTeXt\kern.5cm\par
92     demo suite\kern.5cm\par
93     \currentdate\kern.5cm\par
94     \stopcolor
95     \vskip.5cm
96     \stopstandardmakeup

97     \setuptexttexts
98     []

99     \setuplayout
100    [leftmargin=1cm,backspace=2cm,footer=1cm]

101     \completecontent

102     \ShowSample {001} {A simple document}
103     \ShowSample {002} {Setting up the page}
104     \ShowSample {003} {Using the margin}
105     \ShowSample {004} {Adaptive headers and footers}
106     \ShowSample {005} {Some bookmarks}
107     \ShowSample {006} {Moving blocks around}
```

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```
108 \ShowSample {007} {Indentation Yes or No}
109 \ShowSample {008} {Tables with colored rows and columns}
110 \ShowSample {009} {Tooltips to hyperlinks}
111 \ShowSample {010} {Everything can be a graphic}
112 \ShowSample {011} {Many pieces of layout}

113 \writebetweenlist[chapter]{\blank}

114 \ShowSample {all} {This file}

115 \stoptext
```

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This file

all