

RML Example 55 : Condpagebreak



RML (Report Markup Language) is ReportLab's own language for specifying the appearance of a printed page, which is converted into PDF by the utility rml2pdf.

These RML samples showcase techniques and features for generating various types of output and are distributed within our commercial package as test cases. Each should be self explanatory and stand alone.

KeepWithNext

The `keepWithNext` attribute for the `paraStyle` tag tells the paragraph, whether it should always be kept together with the next paragraph or not. This can be useful for keeping headings together with the following paragraph. The default value is 0.

The code looks as follows:

```
<paraStyle name="keepApart" keepWithNext="0" />  
<paraStyle name="keepTogether" keepWithNext="1" />
```

An example with `keepWithNext="0"`. There is a spacer underneath.

This is paragraph 1 with the `keepWithNext="0"` attribute.

This is paragraph 2.

An example with `keepWithNext="1"`. There is a spacer underneath

This is paragraph 1, whose style has the `keepWithNext="1"` attribute.
This is paragraph 2.

condPageBreak

The `<condPageBreak/>` tag will move to the next page if there is not enough space on the page. The length required to stay on the same page is give by the attribute `height` which takes a length in the allowed measurements.

Blah blah blah blah blah Lieutenant Commander Data Harry Kim blah blah blah blah blah blah blah blah blah. Blah cloaking device blah blah Lieutenant Commander Data blah Dr. Pulaski blah blah blah USS Enterprise blah blah blah emergency transponder. Blah blah Ferrengi blah blah blah blah blah blah blah blah blah. Blah blah blah blah blah Tom Paris Archer IV blah blah Archer IV

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blah blah Soyuz class science vessel blah Betazoid blah blah blah warship blah blah blah blah. Blah blah
blah Lieutenant Worf blah blah Lieutenant Worf Vulcan blah blah blah. Blah blah blah blah blah Tom Paris
blah William Riker blah blah blah blah Klingon blah Admiral Nakamura blah blah blah blah. Blah
blah blah blah Romulan ale blah blah blah asteroid field blah blah blah blah blah. Blah
blah blah Memory Alpha blah blah blah blah. Blah blah Captain Picard blah blah Romulan
blah blah Admiral Nakamura blah blah. Blah blah Starfleet Academy blah blah
USS Intrepid blah blah holodeck blah blah blah. Blah ...with a
phaser! blah blah Romulan Vulcan blah blah. Blah quantum flux blah blah quantum
flux Chief O'Brian blah blah. Blah Counsellor Troi blah blah USS
Intrepid blah blah Captain Janeway blah asteroid field blah IKV Pagh blah. Blah
blah Betazoid blah blah IKV Pagh blah Captain Janeway blah IKV Pagh. Blah photon torpedo
blah photon torpedo blah blah Ferengi blah blah
blah. Blah United Federation of Planets blah Deep Space Nine blah
blah "Intruder alert!" Romulan blah blah
blah shuttlecraft Ferengi Vulcan blah Galaxy class vessel blah
blah. Blah turbolift blah scout ship cruiser blah quantum flux blah blah
blah William Riker blah. Blah battlecruiser blah
blah Dr. Pulaski Pacifica blah turbolift. Blah Benzite blah Bajoran blah "Borg In-
vasion imminent!" blah blood wine. Blah emergency transponder blah Starfleet blah
blah shuttle bay 2 blah. Blah
blah distress signal blah spacedock blah Irumodic Syndrome blah Romulan ale blah
"All hands abandon ship! This is not a drill!" blah.

The conditional page break comes in here and is set for 3 inches.

This is on the next page since there was less than three inches till the end of the page.

Blah blah Lieutenant Commander Data Harry Kim blah blah blah blah
blah. Blah cloaking device blah Lieutenant Commander Data blah Dr. Pulaski blah USS Enter-
prise blah emergency transponder. Blah Ferengi blah blah
blah Tom Paris Archer IV blah Archer IV blah Soyuz class science vessel blah Betazoid
blah warship blah. Blah Lieutenant Worf blah Lieutenant Worf Vulcan
blah. Blah Tom Paris blah William Riker blah Kling-
on blah Admiral Nakamura blah. Blah Romulan ale blah
asteroid field blah Memory Alpha blah
blah Captain Picard blah Romulan blah Admiral Nakamura blah. Blah
blah Starfleet Academy blah USS Intrepid blah blah hol-
deck blah. Blah ...with a phaser! blah blah Romulan Vulcan blah
blah. Blah quantum flux blah quantum flux Chief O'Brian blah
blah. Blah Counsellor Troi blah USS Intrepid blah Captain Janeway blah
asteroid field blah IKV Pagh blah. Blah Betazoid blah IKV Pagh blah
Captain Janeway blah IKV Pagh. Blah photon torpedo blah photon torpedo blah
blah Ferengi blah. Blah United Federation of Planets
blah Deep Space Nine blah
blah "Intruder alert!" Romulan blah shuttlecraft Ferengi Vulcan blah
blah Galaxy class vessel blah turbolift blah scout ship cruiser blah
quantum flux blah William Riker blah. Blah
battlecruiser blah Dr. Pulaski Pacifica blah turbolift. Blah Benzite blah Bajoran
blah "Borg Invasion imminent!" blah blood wine. Blah emergency transponder
blah Starfleet blah shuttle bay 2 blah. Blah
blah distress signal blah spacedock blah Irumodic Syndrome blah Romulan ale
blah "All hands abandon ship! This is not a drill!" blah.

The conditional page break comes in here and is set for 3 inches.

This is at the bottom of the page since there are more than 3in remaining.

frameBreakBefore and pageBreakBefore

The `frameBreakBefore` and `pageBreakBefore` are both attributes of the `<paraStyle>` tag.

The `frameBreakBefore` attribute causes the new paragraph to go into the next frame, even if there is still space in the current frame. The default value is 0.

The `pageBreakBefore` attribute causes the new paragraph to go into the next page, even if there is still space in the current frame, or if there are other frames remaining on the page. The default value is 0.

This is an example of `frameBreakBefore`. The next paragraph will be in a new frame.

This paragraph is in a new frame, since its style has the attribute `frameBreakBefore="1"`

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This is an example of `pageBreakBefore`. The next paragraph will be on a new page.

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This paragraph is on a new page. It missed out the frame in the lower right corner of the last page, since its style has `pageBreakBefore="1"`

allowWidows

The `allowWidows` attribute, for the `<paraStyle>` tag, allows the paragraph to have a widow, a line of text, separated from the rest of the paragraph, at the end. The default value for `allowWidows` is 1.

This is an example of `allowWidows="1"`
Blah blah blah blah SQL blah blah blah blah
pizza blah blah blah blah TeX blah blah blah
blah blah. Blah Intercal blah blah blah blah
blah TeX OS/2 TFT display blah Linux blah blah
blah blah crash! blah blah Sun Microsystems
blah Logo blah blah. Blah blah blah blah blah
blah blah blah blah blah VB Tcl/Tk Fortran blah
blah blah awk blah blah blah. Blah blah blah blah
blah blah blah blah blah blah blah PGP
TCP/IP blah blah blah. Blah cgi Modula-3 SQL
blah blah blah Delphi blah LISP blah BETA mail-
ing lists blah. Blah blah blah blah pepperoni
pizza blah blah blah blah blah blah blah
blah blah blah blah blah blah monitor blah. Blah
blah blah blah blah blah blah blah parallel
languages blah blah blah blah blah blah blah
blah BEER! blah blah. Blah blah beer blah blah
OpenGL monitor blah blah blah blah. Blah blah
blah blah blah blah blah blah blah blah blah
"illiterate programming" blah blah C: drive. Blah

blah blah.
This example has a widow (the line above).

This is an example of `allowWidows="0"`
Blah blah blah SQL blah blah blah pizza
blah blah blah TeX blah blah blah
blah blah. Blah Intercal blah blah blah
blah TeX OS/2 TFT display blah Linux blah
blah crash! blah Sun Microsystems
blah Logo blah blah. Blah blah blah
blah VB Tcl/Tk Fortran blah
blah awk blah blah. Blah blah blah
blah PGP TCP/IP blah blah. Blah cgi
Modula-3 SQL blah Delphi blah LISP
blah BETA mailing lists blah. Blah
pepperoni pizza blah monitor blah.
Blah parallel languages blah BEER!
blah beer blah OpenGL monitor blah
blah blah

"illiterate programming" blah C: drive. Blah
blah. This example does not have a widow,
since another line has been brought with it.

allowOrphans

The `allowOrphans` attribute allows the
paragraph to have an orphan, a line of text,
left in the original frame, separated from the
rest of the paragraph. The default value is
for this attribute is 0.

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This is an example of `allowOrphans="0"`

There is no orphan below.

Blah blah blah blah SQL blah blah blah blah
pizza blah blah blah blah TeX blah blah blah
blah blah. Blah Intercal blah blah blah blah
blah TeX OS/2 TFT display blah Linux blah blah
blah blah crash! blah blah Sun Microsystems
Logo blah blah. Blah blah blah blah blah
blah blah blah blah VB Tcl/Tk Fortran blah blah
blah awk blah blah blah. Blah blah blah blah
blah blah blah blah blah blah PGP TCP/IP
blah blah blah. Blah cgi Modula-3 SQL blah blah
blah Delphi blah LISP blah BETA mailing lists
blah. Blah blah blah blah pepperoni pizza blah
blah blah blah blah blah blah blah blah
blah blah blah monitor blah. Blah blah blah
blah blah blah blah blah parallel languages blah
blah blah blah blah blah blah BEER! blah
blah. Blah blah beer blah blah OpenGL monitor
blah blah blah blah. Blah blah Phys blah blah
blah blah blah blah blah blah "illiterate pro-
gramming" blah blah C: drive.

This is an example of `allowOrphans="1"`

There is an orphan below.
Blah blah blah blah SQL blah blah blah blah

pizza blah blah blah blah TeX blah blah blah
blah blah. Blah Intercal blah blah blah blah
blah TeX OS/2 TFT display blah Linux blah blah
blah blah crash! blah blah Sun Microsystems
blah Logo blah blah. Blah blah blah blah
blah blah blah blah VB Tcl/Tk Fortran blah
blah blah awk blah blah blah. Blah blah blah
blah blah blah blah blah blah PGP
TCP/IP blah blah blah. Blah cgi Modula-3 SQL
blah blah blah Delphi blah LISP blah BETA mail-
ing lists blah. Blah blah blah blah pepperoni
pizza blah blah blah blah blah blah blah
blah blah blah blah blah monitor blah. Blah
blah blah blah blah blah blah parallel
languages blah blah blah blah blah blah
blah BEER! blah blah. Blah blah beer blah
blah OpenGL monitor blah blah blah blah. Blah
blah Phys blah blah blah blah blah blah
blah "illiterate programming" blah blah C: drive.

endDots

The `endDots` attribute fills in the rest of the last line of the paragraph with the characters given for the attribute.

This paragraph should have dots following it until the end of the line.

This paragraph should have the characters "123" following it until the end of the line. 123123123123123123123123123123