# Java PDF generator showcase

# **Example Clause**

# Instructions

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# **Tables**

Tables are easy to deal with as long as you keep them simple! To add a table, please use the following syntax.

# GDP of selected countries in trillions

Country	2018	2019	2020	2021	2022
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Italy	2.07 USD	2.00 USD	1.89 USD	2.10 USD	2.12 USD
Spain	1.43 USD	1.39 USD	1.28 USD	1.43 USD	1.45 USD

# Countries in Europe

Country	Population	Size
Monaco	36371	1.98
Gibraltar	29431	6.8

The first line is used for referencing. You can reference <<table\_countries>> in your text. The only thing you should change in that line is the table id, which is "table\_countries" in this case. Please do not remove the "#", please do not change anything else in that line.

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Cell alignment: If you need to align a column, you may indicate this by setting ^,<, or >. Examples:

- ^25m = centered, 25% width, monospaced.
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In any case, please make sure that your table fit on a piece of A4 or letter-size paper!!

# **Recommended Asciidoc Environment**

We recommend to use asciidoctor and asciidoctor-pdf in combination with the Atom editor.

#### **Installation on MacOS and Linux**

- 1. Please follow the steps on https://asciidoctor.org/#installation.
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We have made best experiences with the following steps:

- 1. Install ruby for windows: <a href="https://rubyinstaller.org/downloads/">https://rubyinstaller.org/downloads/</a>. If you experience any issues, the following link may help: <a href="stackoverflow">stackoverflow</a>
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# **Using Asciidoctor with Atom**

In Atom, you should install the following packages:

- · asciidoc-preview
- · autocomplete-asciidoc
- · language-asciidoc
- markdown-writer: requires changing of key-map to allow for keyboard shortcuts such as e.g. bold
- platformio-IDE-terminal

This environment allows you to use keyboard shortcuts, autocomplete, syntax highlighting and a rendered preview for asciidoc; and provides you an terminal window within the editor to convert your asciidoc to html and pdf.

# **Asciidoc Conversion**

In order to achieve a uniform look-and-feel of all ERs in both HTML and PDF, we have provided a css and theme file. The following commands can be used to convert the ER:

**Command for PDF output:** asciidoctor-pdf -r asciidoctor-bibtex -a pdf-stylesdir=resources -a pdf-style=ogc -a pdf-ontsdir=resources/fonts er.adoc

**Command for HTML output:** asciidoctor -r asciidoctor-bibtex -a linkcss -a stylesheet=rocket-panda.css -a stylesheets er.adoc

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You can add code snippets using the following syntax:

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<section>
<title>Section Title</title> <!--1-->
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<1> This notation allows to reference particular sections within the code.

You can alternatively use line numbers to reference a specific section in your code.

As shown in line 2, the value of "id" is "File".

# Asciidoc(tor) Syntax Help

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# **Use of Citations**

For citations that also have an associated URL, the URL should be inserted inline as in <u>this example</u>. An endnote citation should still also be included (just in case the link stops working in the future).

Please use the following syntax to insert citations anywhere in the text:

The hail-and-rainbow protocol can be initiated at five levels:

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cite:[VanZyl2009]
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or, if it is more than one citation that should be added at the same location, use

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which will create links in the compiled HTML/PDF that look as follows: cite:[VanZyl2009], of for the second example given above, it results in cite:[Pross2018,OGCTechTrends2018]

Then you need to provide all citation information in the file resources/bibtex-file.bib. This file uses the bibtex file format, which is defined in full detail here. The bibtex-style file shall remain untouched.

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Examples of bibtex attributes as set in file er.adoc

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