# AutoReport

## Simple text replacement

Welcome to AutoReport, this is an introductory document. You can automatically modify this template by editing the params.json file, for example {{example1}}, and **{{example2}}**, finally *{{example3}}*. The portions automatically generated by AutoReport will be highlighted in purple for easy review and verification. It is worth mention that all the styles set in this template will be stored and stay the same in the result report, which is one of the best reasons to use Jinja2.

## Automatic Table

Table1. sample table 1

|  |  |  |
| --- | --- | --- |
| **{%tc for col in table\_1\_col\_labels %}** | **{{ col }}** | **{%tc endfor %}** |
| {%tr for item in table\_1\_contents %} | | |
| {%tc for col in item.cols %} | {{ col }} | {%tc endfor %} |
| {%tr endfor %} | | |

For the automatic table, you need to pay attention to the variable names. In this table, table\_1\_col\_labels needs to correspond with table\_1\_col\_labels in the data, representing the name of each column; table\_1\_contents needs to correspond with table\_1\_contents in the data, representing the data for each row. If you want to generate multiple tables, make sure the above two variable names are consistent for each table.

Table2. sample table 2

|  |  |  |
| --- | --- | --- |
| **{%tc for col in table\_2.columns %}** | **{{ col }}** | **{%tc endfor %}** |
| {%tr for row in table\_2.data %} | | |
| {%tc for col in row %} | {{ col }} | {%tc endfor %} |
| {%tr endfor %} | | |

Table3. complex table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **HEAD** | **{%tc for h in table\_3.header%}** | | **{%colspan 3%} {{ h }}** | | **{%tc endfor%}** | |
| **{%tc for h1 in table\_3.header1 %}** | **{{ h1}}** | **{%tc endfor %}** | **{%tc for h2 in table\_3.header2 %}** | **{{ h2}}** | **{%tc endfor %}** |
| {%tr for i in range(table\_3.index|count) %} | | | | | | |
| {{ table\_3.index[i] }} | {%tc for y1 in table\_3.data1[i]%} | {{ y1 }} | {%tc endfor %} | {%tc for y2 in table\_3.data2[i] %} | {{ y2 }} | {%tc endfor %} |
| {%tr endfor %} | | | | | | |

Table4. fixed header

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **H1** | **H2** | **H3** | | **H4** | | **H5** | |
| **H3\_1** | **H3\_2** | **H4\_1** | **H4\_2** | **H5\_1** | **H5\_2** |
| {%tr for row in table\_4\_rows %} | | | | | | | |
| {{row.a}} | {{ row.b }} | {{ row.c }} | {{ row.d }} | {{ row.e }} | {{ row.f }} | {{ row.g }} | {{ row.h }} |
| {%tr endfor %} | | | | | | | |

## Image

Inserting images is similar to inserting text, but you need to be aware that in the code you must call *InlineImage* to create a recognizable image.

{{ image\_1 }}

Img1

{{ image\_2 }}

Img2