

Exercise 5 - How to Populate Set Functions

In this exercise, you'll learn how to populate set functions while iterating issue attachments.

The function Set allows the creation of new variables that will be treated as fields (mappings) and change the values of those variables.

The notation to define a set function is:

```
${set(<variable name>,<new value>)}
```



You can check more details [here](#).

First, create a set function **count** and in this case, initialize the value to zero.

```
${set(count,0)}
```

If you want to display your Attachments Iterations as a Table with a Header, first create the Header using a table with 3 columns and 1 row:

Name	Size	Time
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Below, put the **#{for attachments}** or **#{for <VariableName>=AttachmentsCount}** statement, so the Header is printed only once.

Then, redefine the variable **count** to increment by one. To do this, use the **set** function again, but using the previous **count** value with JavaScript.

```
${set(count,${count} + 1)}
```

With that done, create another table where the Issue attachments will be populated:

<code>\${Attachments[n].Name}</code>	<code>\${Attachments[n].HumanReadableSize}</code>	<code>\${dateformat("dd-MM-yyyy HH:mm:ss"):Attachments[n].Created}</code>
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To display the current iteration index, print the redefined variable using **#{count}**.

Finally, close the statement using the mapping **#{end}**.



You can do this on other types of Iterations.

You can check the iterations [here](#).

Below is a sample of how the mappings will be displayed in a Word template:

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`${set(count,0)}`

Name	Size	Time
<code>#{for attachments}</code>		
<code>#{set(count,\${set(count) + 1})}</code>		
<code>#{Attachments[n].Name}</code>	<code>#{Attachments[n].HumanReadableSize}</code>	<code>#{dateformat("dd-MM-yyyy HH:mm:ss"):Attachments[n].Created}</code>

Number of iteration: `#{count}`

`#{end}`

This Template has:

- A header with an image
- Headings
- Text styling
- Table

Below is a sample of how the generated file will be populated:

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Name	Size	Time
Xpand add-ons.png	6.19 Kb	04-01-2017 15:03:53
Number of iteration: 1		
Xpand IT.png	37.43 Kb	04-01-2017 15:09:19
Number of iteration: 2		
xporter.png	2.73 Kb	04-01-2017 15:03:53

Number of iteration: 3



If you like this exercise, please leave a comment or a 👍. Your feedback is very important to us.

Thank you in advance.

Enjoy our product. 😊

Here are the files related to this **Exercise**:

File	Description
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Exercise5Template	Exercise 5 Sample Template file
Exercise5Generated	Exercise 5 Sample generated file