Exercise 6 - How to Format Date Picker and Number Fields

In this exercise, you'll learn how to format the information from the **Date Picker** and **Number** fields to be printed in a document.

To start, we are going to create a custom field of type *Number Field* and name it **Price**.

Since Jira has native Date Picker fields, like *Created* or *Updated*, we don't need to create one of those for this exercise.

Formatting Date Fields

If you are exporting a date field, you can set the format of how the date is displayed on the generated file. All the patterns included by the *SimpleDateFormat Java API* are supported.

```
${dateformat("<Format>"):<Field name>}
```

You can use this mapping in different ways.

For instance, if you want to print only the date and not the time, use **${dateformat("yyyy-MM-dd"):Created}.** If you want to print the date and time, use **${dateformat("dd-MM-yyyy HH:mm:ss"):Created}** instead.

> ⓘ You can see [here](#) more details about formatting Date Picker fields.

Formatting Number Fields

If you are exporting a number field, you can set how the number contained in it is displayed in the generated file. All the patterns included in the *DecimalFormat(String pattern) Java API* are supported.

```
${numberformat("<pattern>"):<Field name>}

${numberformat("<Locale>","<pattern>"):<Field name>}
```

> ⓘ Check the documentation [here](#) for more details about formatting Number fields.

In the issue, populate the *Created Date*, *Updated Date* fields, and the *Price* custom field.

The native and custom fields with the notation are listed below.

Expand to see the sample code

```
${dateformat("yyyy-MM-dd"):Created}
${dateformat("dd-MM-yyyy  HH:mm:ss"):Created}
${numberformat("de_DE" , "###,###.###"):Price}
${numberformat("##0.#####E0"):Price}
```

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

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Formatting Date Fields:

Created: ${Created}

Dateformat("yyyy-MM-dd"):Created: ${dateformat("yyyy-MM-dd"):Created}

Dateformat("dd-MM-yyyy HH:mm:ss"):Created:${dateformat("dd-MM-yyyy HH:mm:ss"):Created}

Updated: ${Updated}

Dateformat("yyyy-MM-dd"):Updated: ${dateformat("yyyy-MM-dd"):Updated}

Dateformat("dd-MM-yyyy HH:mm:ss"):Updated: ${dateformat("dd-MM-yyyy HH:mm:ss"):Updated}

Formatting Number Fields:

Numberformat("###,###.###"):Price: ${numberformat("###,###.###"):Price}

Numberformat("\u20AC ###,###.###"):Price: ${numberformat("\u20AC ###,###.###"):Price}

This Template has:

- a Header with an Image
- Headings
- Text styling

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

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Formatting Date Fields:

Created: 2017-01-03T09:47:29.349Z[Europe/Lisbon]

Dateformat("yyyy-MM-dd"):Created: 2017-01-03

Dateformat("dd-MM-yyyy HH:mm:ss"):Created:03-01-2017 09:47:29

Updated: 2017-01-05T11:44:14.925Z[Europe/Lisbon]

Dateformat("yyyy-MM-dd"):Updated: 2017-01-05

Dateformat("dd-MM-yyyy HH:mm:ss"):Updated: 05-01-2017 11:44:14

Formatting Number Fields:

Numberformat("###,###.###"):Price: 123,456,789

Numberformat("\u20AC ###,###.###"):Price: € 123,456,789

ⓘ 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
Exercise6Template	**Exercise 6** Sample Template file
Exercise6Generated	**Exercise 6** Sample generated file