**Seminar 2**

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1. **XML Validation – File made by us**

**A screenshot of a computer

Description automatically generated**

1. **XML File comparation after using beautifier**

**A screenshot of a computer program

Description automatically generatedA screenshot of a computer program

Description automatically generated**

In terms of sizing, the second file (the one generated by beautifier) is slightly larger, because it added some whitespacing in order to improve consistency in text and to be more human readable.

1. **JSON file comparison**

**A screenshot of a computer program

Description automatically generatedA screenshot of a computer program

Description automatically generated**

There is a difference in typing format. Ours is more compact, while the one generated by beautifier is written with more white spaces and this is why its sizing is also larger.

1. **YAML file comparison**

A screenshot of a computer program

Description automatically generatedA screenshot of a computer program

Description automatically generated

While the two files are identical, the one generated by the beautifier seems to be slightly smaller than the one created by us.

1. **EXCEL to XML, JSON, YAML and back to EXCEL**

**A screen shot of a computer

Description automatically generated**

**A screenshot of a computer

Description automatically generatedA screen shot of a computer screen

Description automatically generated**

When converting excel to the 3 types, the converter somehow generated an extra empty row for every file. It also added an extra column for every entry in JSON and XML. We noticed that while the YAML and JSON were very nicely formatted, the XML entries were written in just one row and they were pretty hard to read compared to the one that was generated by the beautifier (as you can see in the screenshot attached).

When we tried to do the conversion back to excel we had to manually adjust them, because of course, it does not support empty rows.

For XML file, the conversion back to excel worked just fine.

For YAML file, there was an error saying that:

A screenshot of a computer

Description automatically generated

Even though the file type was a .yaml and it should be supported, as we tried with the file generated at #4 and it worked. We tried copy all its content to a .txt file and after uploading that file, we got no errors and could complete the conversion.

For JSON file, there was the same error presented above. We tried the exact same thing, by putting the content into a .txt file and worked just fine.

Now, as for the 3 files generated back to excel, they were the exact same size and they got the exact same content inside.