Output Formatting for Assignment 2

February 8, 2016

Disclaimer: no Word, OpenOffice, LibreOffice or similar. Thanks!

- Put all the required files of Week 2 in a folder named A2.
- for Exercise 1, two files:
  - a text file **sol1-explain**, containing the explanations
  - a text file **sol1-computation**, with format specified in Appendix A
- for Exercise 2, one file **sol2** – no constraint.
- for Exercise 3, three files: **sol3-tree1**, **sol3-tree2** and **sol3-explain**. **sol3-tree1** and **sol3-tree2** describe the B+-trees of question 1 and 2 respectively, and the structure is described in Appendix B. **sol3-explain** contains the corresponding explanations and all the other answers, in free format.
- for Exercise 4, one file **sol4**, in free format.

Zip the A2 folder and submit it on Moodle.

Appendix A

Output one figure per line:

Answer of 1
Answer of 2
Answer of 3
Answer of 4
Answer of 5a
Answer of 5b
Answer of 5c
...

Decimal separators:
4.5: four and a half
5000: five thousand

There is a few percent tolerancy (rounding).

Appendix B

You will use the dot graph description language[1] to describe the B+-trees. An example is given below. You can check your output there: `http://www.webgraphviz.com/`.

```
digraph G {
a[label="4,10"];
b[label="[:4],1,2"];
c[label="[4:10],4,6"];
d[label="[10:],10,12"];
a -> b;
a -> c;
a -> d;
}
```

- the label of the root should be its content
- the label of any other node should start with its position with respect to the root, followed by its content
- define first the labels of the root (called a), then of the children of the root from smaller values to higher values, then the children of the children in the same order, and so on...
- last describe the parenthood relation in the same order

[1] You do not need to know more than what is presented below, but fiy: `https://en.wikipedia.org/wiki/DOT_\%28graph_description_language\%29`