Implementační dokumentace k 1. úloze do IPP 2021/2022

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There is a main file parse.php that contains functions for IPPcode22 analysis. Most of them serve to generate XML. Header XML created with *start()* function if source code has correct header .IPPcode22. From standard input source code is read line by line with a while loop and function fgets(). Extra comments are removed. Further analysis of the code occurs using switch(). We check if the first word of the string is an instruction. Depending on which instruction we can use the following functions:

1. xml_start()
   We use this function at the beginning to write the instruction, order and opcode in XML.

2. xml_label()
   We use this function to write a label as an argument of XML.

3. xml_var()
   We use this function to control the variable for validity and writing it as an argument XML.

4. xml_symb()
   This function writes out the value of the variable, as well as the type of the variable. Regexes were used for this.

5. xml_type()
   We use this function to write a label as an argument of XML. For control we use the function preg_match().

At the end of the code, we write out the XML document.