Documentation of Project Implementation for IPP 2017/2018

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1. Description

Project is based on set of scripts which are together providing interpretation of language IPPcode18. Set of scripts consists of three parts: *parse.php* which performs parsing source code to XML format, *interpret.py* which performs interpreting of source code formatted in XML, *test.php* is script for testing proper functionality of previous two scripts and output is provided in HTML format. For usage of this scripts see –help.

1. Implementation details

All three scripts were implemented with procedural approach because object-oriented approach would be more time demanding and the project itself was relatively small. However, some simple classes were used in script *interpret.py* for various stacks, variables and frames in aim to make the code more readable and easier to debug and modify.

1. Parse.php

Script *parse.php*