COS341 Project 3 (2017): Executable Code for SPL

(Part 3*b*)

Project 3: Overview

- Part 3a: Intermediate Code Preparation
 (done)
- Part 3b: Intermediate Code Generation (now)
- Part 3c: Intermediate Code Optimisation
 (later)

Given:

- any SPL program, P, which has
 - a correct syntax (parsing) and
 - a correct static semantics (scope analysis, value-defined-analysis, and type checking)
- together with
 - its abstract syntax tree, and
 - its tree-linked additional information table,
 as per previous projects #1 and #2

Task:

 Along the lines of Textbook Chapter 6, implement a translator which correctly generates an executable BASIC program from the given SPL program P.

- Hints:

- By running the generated BASIC program in your already installed BASIC interpreter environment, you can test empirically whether your implemented translator works as intended and does not produce 'trash'
- Take particularly good care of the translation of SPL's I/O commands: input(_), and output(_)!

And now... HAPPY PAIR-CODING!



Note: Plagiarism is forbidden!

Code swapping with other pairs of project students is also not allowed