

ADBI*

A CS333 Extra Credit Project

User Documentation

Chris Frost <chris@frostnet.net>

ADBI allows you to run all your favorite BF programs without the slow compile-link-run process of compilers and the non-portability of the resulting code, and without the huge speed hit taken by general interpreters.

Running BF Programs

Give the name of the BF source file as the first argument to ADBI on the command line, and ADBI will run from this file. For example, to run the program `./office_suite.bf`, just type `adbi ./office_suite.bf`.

Common Problems

- **BF program too long for instruction array, exiting.**
This problem arises when you are trying to run a program longer than the compile-time set max size, 10KB by default. ADBI is only a proof of concept, not meant to actually be useful for anyone, and thus the author used fixed-size arrays rather than dynamic memory.
Fix: Don't drive yourself insane writing these huge BF programs, or simply change the source of ADBI to use dynamic memory (easily done in under fifteen minutes).
- **Could not open input file "yourfile.bf", exiting.**
Either ADBI is unable to open the file you have specified because of incorrect permissions or the file doesn't exist, or if the name of the errored file is `(null)`, you forgot to give ADBI an input BF source file as its first argument.
- Other than that, ADBI has been mathematically proven to be perfect.

*ADBI is pronounced "Add-Buy" and stands for "[A]DBI [D]ynamic Code Generating [B]F [I]nterpreter."