

**NAME**

**simp** — simp lisp interpreter

**SYNOPSIS**

```
simp  
simp [-i] -e string [arg ...]  
simp [-i] -p string [arg ...]  
simp [-i] file [arg ...]
```

**DESCRIPTION**

The **simp** utility is an interpreter for *simp*(7), a simplistic programming language. It reads expressions from a file, string, or standard input, and evaluates them (possibly writing to standard output the result of the evaluation, if in the REPL mode).

The options are as follows:

- e** *string*  
Read expressions from *string* but do not write the resulting evaluation into standard output.
- i**  
Enter the interactive REPL mode after evaluating expressions from a string or file. This flag is set by default if no argument is given.
- p** *string*  
Read expressions from *string* and write the resulting evaluation into standard output.

In the first synopsis form, expressions are interpreted interactively in a REPL (read-eval-print loop). Expressions are read from standard input (usually a terminal) and written to standard output.

In the second synopsis form (with **-e**), expressions are read from *string* and the resulting evaluation is not written into standard output. Unless the flag **-i** is given, no interactive REPL occurs after evaluating the string.

In the third synopsis form (with **-p**), expressions are read from *string* and the resulting evaluation is written into standard output. Unless the flag **-i** is given, no interactive REPL occurs after evaluating the string.

In the fourth synopsis form (with an argument and neither **-e** or **-i**), expressions are read from *file* and evaluated without outputting the result. If *file* is an hyphen (-), read expressions from the standard input instead. Unless the flag **-i** is given, no interactive REPL occurs after evaluating the file.

**SEE ALSO**

*simp*(3), *simp*(7)

Harold Abelson, Gerald Jay Sussman, and Julie Sussman, *Structure and Interpretation of Computer Programs*, The MIT Press, 1996.