REPL

? A Shell is a command-line interpreter designed to interact with the operating system.

A REPL is a model of interaction, implemented by many shells.

REPL (Read, Eval, Print, Loop) is an interactive programming environment that:

- 1. Reads user input
- 2. Evaluates it
- 3. Prints the result
- 4. Loops back to wait for more input

REPLs are common in:

- Scripting languages: Python, Ruby, Node.js, Bash
- Lisp-based languages: Scheme, Common Lisp
- Dev tools: debug consoles, math shells, and interpreters
- Interactive shells
 - Read with "readline()"
 - Evaluate with "strcmp()"
 - Print with "printf()"
 - Loop with a control structure

REPL 1