A Shell in (G)Forth

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Overview

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Overview

- Introduction
- Features
- Basic Operation

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- Code
- Live Demo

Introduction

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Introduction

- few features
- leverage existing programs
- simple prompt
 - fixed size
 - shows last return code

Features

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Features

- builtin exit
- programs in PATH (e.g. *ls*)

- pipes (|)
- ► && and ||
- braces supported

Features

execution done in background (&, fork)

- basic variable support
- readline support

Basic Operation

Basic Operation

- display prompt
- read line
- split on spaces (tokenize)
- parse and build AST
- execute AST and retrieve return value

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Code

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Live Demo

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