Patterns in Functional Programming

O’Neill’s paper was published as a Functional Pearl in the Journal of Functional Programming, when Richard Bird was the handling editor for Pearls. The paper includes an epilogue that presents a purely list-based implementation of the Genuine Sieve, contributed by Bird during the editing process. And the same program pops up in Bird’s textbook Thinking Functionally with Haskell (TFWH). This post is about Bird’s program.

GCC Rust Front-End Continues Advancing With Plans To Eventually Upstream - Phoronix

While the official/reference Rust compiler implementation is LLVM-based, there continues to be the independent effort working on a GCC Rust front-end as an alternative full implementation of the Rust programming language.

The GCC front-end for Rust continues advancing as an alternative compiler moving forward
for Rust code though at the moment isn't feature complete or close to it for major features.

- **4 Excellent Free Tutorials to Learn LabVIEW - LinuxLinks** [4]

  LabVIEW is a graphical programming language used by professional scientists and engineers as well as students, hobbyists and makers. It was designed to enable domain experts to build power systems quickly without getting bogged down in subsystem minutia.

  LabVIEW has powerful features for simulation, control and DAQ applications.

  Programs are called virtual instruments, or VIs, because their appearance and operation often imitate physical instruments, such as oscilloscopes and multimeters. LabVIEW contains a comprehensive set of tools for acquiring, analyzing, displaying, and storing data, as well as tools to help you troubleshoot the code you write.

- **[Older] Understanding default parameters** [5]

  Many times, we may pass certain parameters from the command line, but, sometimes, we may not pass any parameters at all. We may need to initialize certain default values to certain variables.

- **[Older] Understanding getopt - Linux Concept** [6]

  Command-line parameters passed along with commands are also called positional parameters. Many times, we need to pass options such as -f and -v along with a positional parameter.

  Let's look at an example for passing the -x or -y options along with commands.

- **[Older] Command-line arguments in Linux shell - Linux Concept** [7]

- **[Older] Working with arrays - Linux Concept** [8]

  An array is a list of variables. For example, we can create an array called FRUIT, which will contain the names of many fruits. The array does not have a limit on how many variables it may contain. It can contain any type of data.
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