a music composition language

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https://github.com/alda-lang/alda

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First, some background.
(that's me!)
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>HTML</title>
</head>
<body>
  <div class="sort-of-important">
    <p>I'm a paragraph!</p>
  </div>
</body>
</html>

(defun fibonacci (N)
  "Compute the N'th Fibonacci number."
  (if (or (zerop N) (= N 1))
      1
      (+ (fibonacci (- N 1)) (fibonacci (- N 2)))))
abc

X:1
T:The Legacy Jig
M:6/8
L:1/8
R:jig
K:G

GFG BAB | gfg gab | GFG BAB | d2A AFD |
GFG BAB | gfg gab | age edB | 1 dBA AFD : | 2 dBA ABd |
efe edB | dBA ABd | efe edB | gdB ABd |
efe edB | d2d def | gfe edB | 1 dBA ABd : | 2 dBA AFD |

Music Macro Language (MML)

\score {
  \new Staff {
    \key d \major
    \numericTimeSignature
    \time 2/4
    <cs' d'' b''>16 <cs' d'' b''>8.
    ~
    <cs' d'' b''>8 [ <b d'' a''> ]
  }
}

LilyPond

#timebase 480
#title "The M.GAKKOU KOUKA"
#copyright "Music Composed by Kenkichi Motoi 2009 Wikimedia version 2012"
A t160
A o314 V12
A @1 ed8ce8 gg8er8 aa8>c<a8 g2r
A aa8ga8 >cc8d<r8 ee8de8 c2r
A dd8dd8 dd8dr8 ed8ef8 g2r
A aa8ga8 >cc8<ar8 >dc8de8 d2<r
A >ee8dc8< ab8>cc8< gg8ea8 g2r
A >cc8<ge8 cd8ea8 gg8de8 c2r
(defn fibonacci
  "Compute the nth Fibonacci number."
  [n]
  (if (or (zero? n) (= n 1))
    1
    (apply + (map fibonacci [(- n 1) (- n 2)])))))

(let [counter (atom 0)]
  (do (dotimes [_ 10]
          (future (swap! counter inc)))
      (Thread/sleep 500)
      @counter))

(import '[javax.sound.midi MidiSystem])

(let [synth (doto (MidiSystem/getSynthesizer) .open)
        channel (aget (.getChannels synth) 0)]
  (doseq [note [36 38 40 41 43 45 47 48]]
    (.noteOn channel note 127)
    (Thread/sleep 300)
    (.noteOff channel note))))
Let the demo begin!
Try it for yourself!

a music programming language for musicians

New to Alida? You may be interested in reading [this blog post](https://github.com/alda-lang/alda) as an introduction.

Inspired by other music/audio programming languages such as PPMOK, LilyPond and ChucK, Alida aims to be a powerful and flexible programming language for the musician who wants to easily compose and generate music on the fly, using a text editor. Alida is designed in a way that equally favors aesthetics, flexibility and ease of use, with (eventual) support for the text-based creation of all manner of music: classical, popular, chiptune, electroacoustic, and more!

Features

- Easy to understand, markup-like syntax
- Perfect for musicians who don’t know how to program and programmers who don’t know how to music

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