

# Postfix

The Team of Fu

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## 1 Introduction

**Remark** This is a literate program.<sup>1</sup> Source code *and* PDF documentation spring from the same, plain-text source files.

## 2 Tangle to Leiningen

```
(defproject ex1 "0.1.0-SNAPSHOT"
  :description "Project Fortune's Postfix Expression Evaluator"
  :url "http://example.com/TODO"
  :license {:name "TODO"
            :url "TODO"}
  :dependencies [[org.clojure/clojure "1.5.1"]
                ]
  :repl-options {:init-ns ex1.core})
```

---

<sup>1</sup>See [http://en.wikipedia.org/wiki/Literate\\_programming](http://en.wikipedia.org/wiki/Literate_programming).

### 2.0.1 The Namespace

```
(ns ex1.core)
```

### 2.0.2 Functions

```
(def x 42)
```

## 2.1 Core Unit-Test File

```
(ns ex1.core-test
  (:require [ex1.core :refer :all]
            [clojure.test :refer :all])
  ))
```

```
(deftest null-test
  (testing "null test"
    (is (= 1 1))))
```

## 3 A REPL-based Solution

To run the REPL for interactive programming and testing in org-mode, take the following steps:

1. Set up emacs and nRepl (TODO: explain; automate)
2. Edit your init.el file as follows (TODO: details)
3. Start nRepl while visiting the actual [project-clj] file.
4. Run code in the org-mode buffer with **C-c C-c**; results of evaluation are placed right in the buffer for inspection; they are not copied out to the PDF file.