
CS 331 — CLOJURE Introduction Activity

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Introduction

You have seen the video introducing CLOJURE. In this activity, you will try some debugging and coding for yourself.

To do this activity pair up with one or two other students and work through the questions together.

```
(defn max
  "Returns the max of a and b."
  [a b]
  (if (> a b) a b))

(defn max-v
  "Does something."
  ([a] a)
  ([a b] (max-v a b 0))
  ([a b c] (max a (max b c))))
```

Questions

1. What does the above code do?¹
2. There's something wrong with max-v; it returns the wrong answer sometimes. Can you fix it without using (any more calls to) max? Your solution should work using only calls to max-v.
3. Speaking of max-v, try writing max-v using -> and max.
4. Now try writing max-v using cond instead of max.

¹Those of you who know CLOJURE or LISP may find this code horrible: don't worry, we cover the right way to write this kind of function a little later.