

CSSE 304 Day 32 – strange1. Fact-trace-call/cc example. call/cc in the interpreter. imperative form.

1. `(define strange1`
 `(lambda (x)`
 `(display 1)`
 `(call/cc x)`
 `(display 2)))`

`(strange1 (call/cc (lambda (k) k)))`

2.

```
> (define abc)
> (define fact
  (lambda (n)
    (cond [(= n 1)
           (call/cc (lambda (k)
                      (set! abc k)
                      (k 1)))]
          [else
           (* n (fact (- n 1)))])))
> (fact 4)
24
> (abc 2)
48
```

3. A place for your notes about the adding call/cc to the interpreted language. (call/cc receiver) → (receiver current-continuation)