

Cherise McMahon

Question: Write a length() cps procedure

Answer: (define length-cps
 (lambda (ls k)
 (if (null? ls)
 (apply-k k 0)
 (length-cps (cdr ls) (make-k (lambda (lengthCdr)
 (apply-k k (+ lengthCdr 1)))))))

Question: What would the output of the following code be?

```
(* 3 (call/cc (lambda (k)
  (let [x 4] [y 3]
    (+ 7 (k (+ x 2)))))))
```

Answer: 18