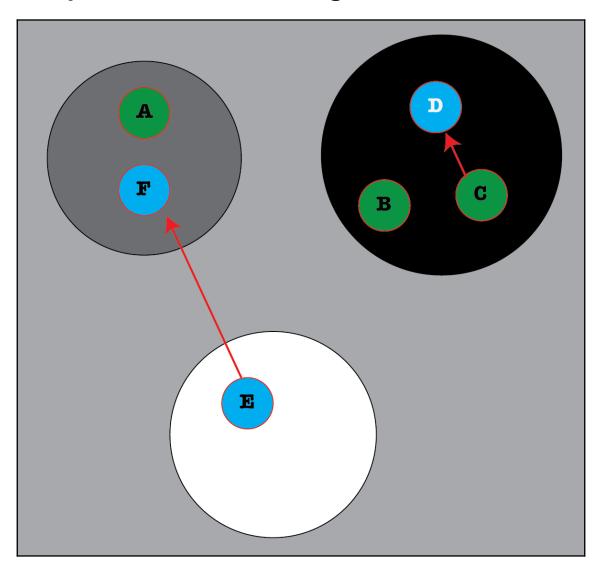
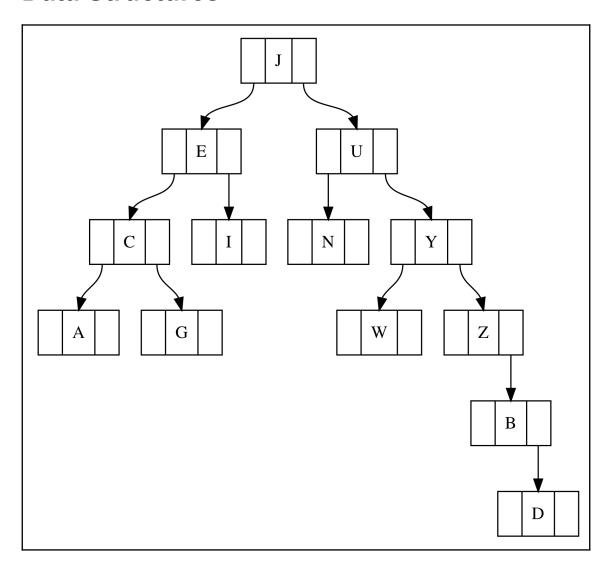
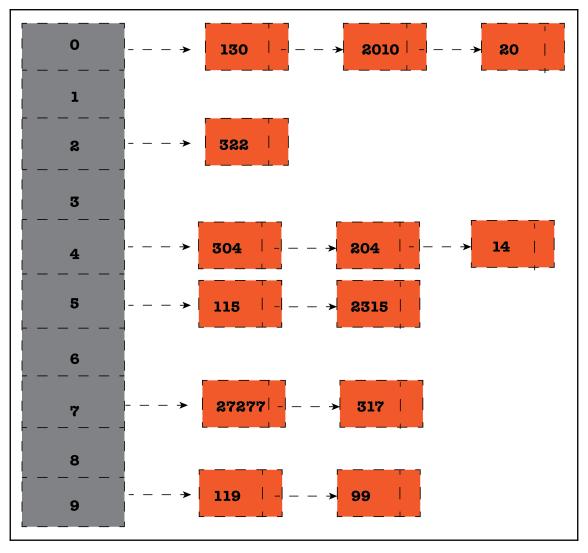
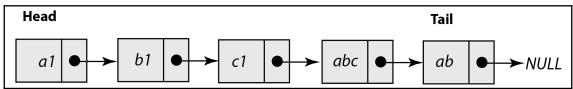
**Chapter 2: Understanding Go Internals** 

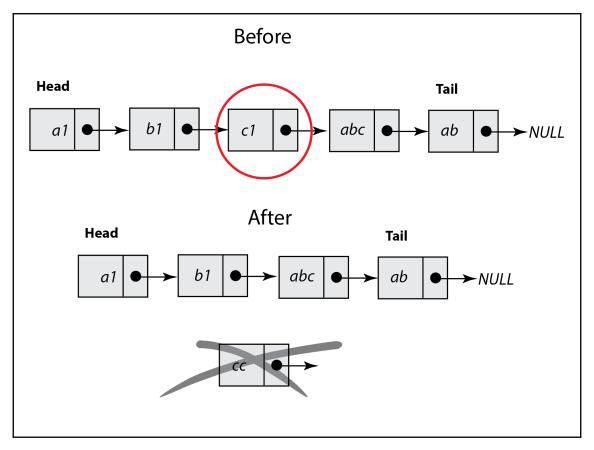


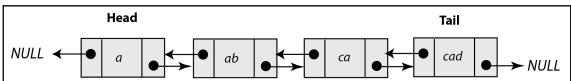
### **Chapter 5: How to Enhance Go Code with Data Structures**

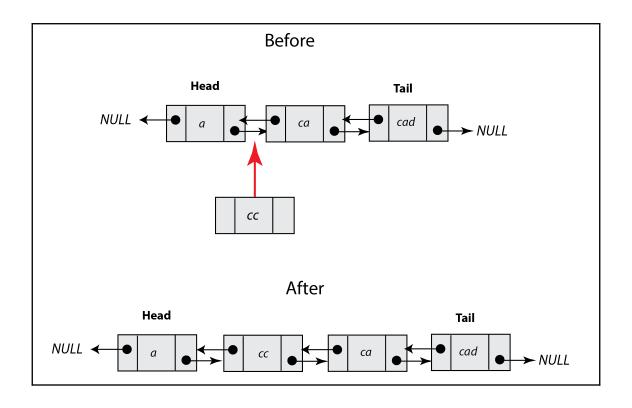




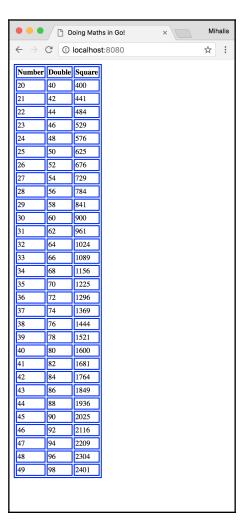




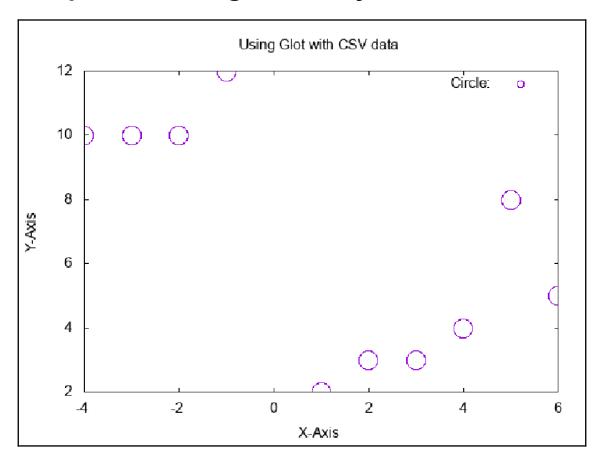




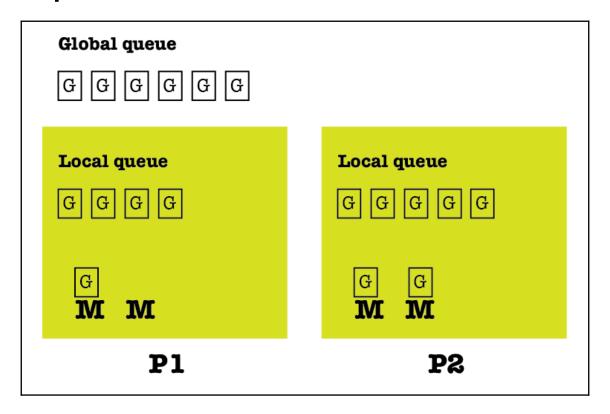
## **Chapter 6: What You Might Not Know About Go Packages**



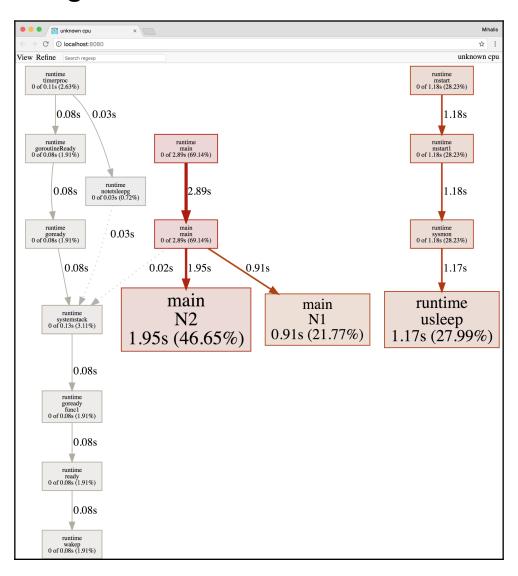
#### **Chapter 8: Telling a Unix System What to Do**



# **Chapter 10: Go Concurrency – Advanced Topics**

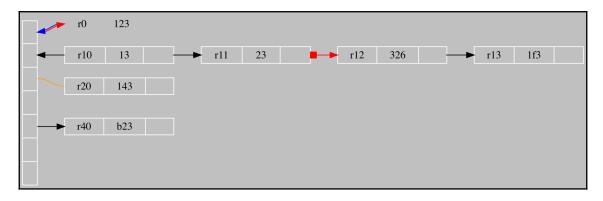


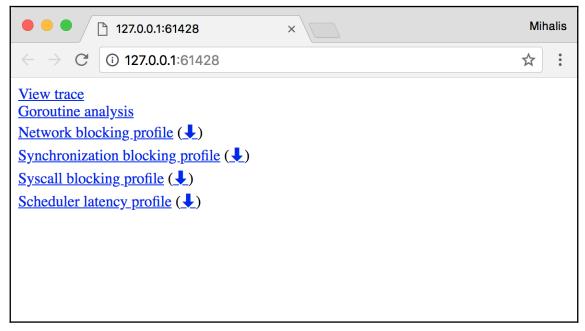
### **Chapter 11: Code Testing, Optimization, and Profiling**

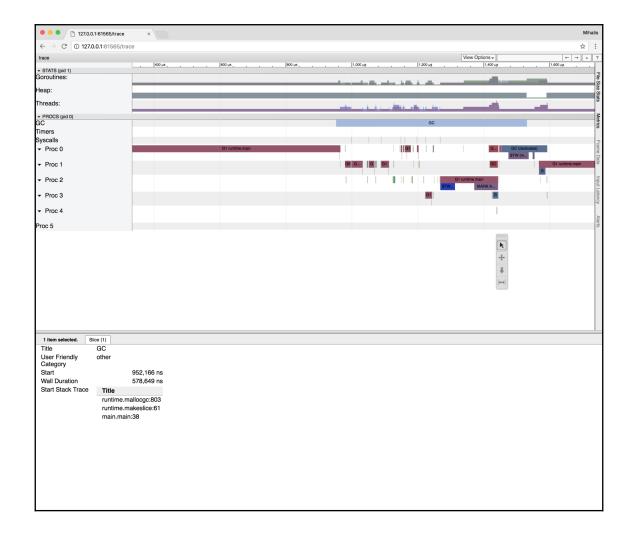


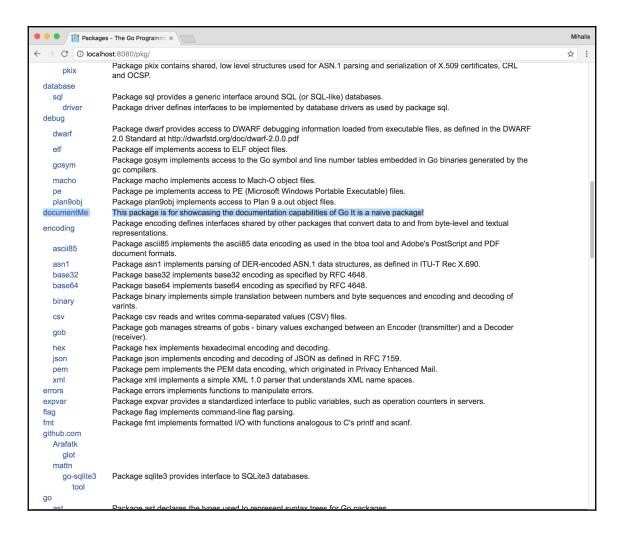
```
unknown cpu
                                                                                                                                                                                           Mihalis
     → C ① localhost:8080/source
                                                                                                                                                                                          ☆ :
View Refine Search regexp
                                                                                                                                                                                unknown cpu
                                                     TEXT runtime · bsdthread create(SB), NOSPLIT, $0
                                                            // Set up arguments to bsdthread_create system call.
// The ones in quotes pass through to the thread callback
main.N1
/Users/mtsouk/Desktop/masterGo/ch/ch11/code/profileMe.go
  Total:
                  910ms
                                910ms (flat, cum) 21.77%
                                                            return fn[n]
                                                    }
                                                    func N1(n int) bool {
    k := math.Floor(float64(n/2 + 1))
    for i := 2; i < int(k); i++ {
        if (n % i) == 0 {</pre>
                   60ms
                  850ms
                                850ms
                                                                                return false
                                                             return true
runtime.mach_semaphore_signal
/usr/local/Cellar/go/1.10/libexec/src/runtime/sys_darwin_amd64.s
                                 90ms (flat, cum) 2.15%
// func mach_semaphore_signal(sema uint32) int32
TEXT runtime-mach_semaphore_signal(SB),NOSPLIT,%0
MOVL sema+0(FP), DI
MOVL sema+0(FP), DX // semaphore_signal_trap
  Total:
    558
                   90ms
                                 9 0 m s
                                                            MOVL
                                                                      AX, ret+8(FP)
    560
                                                    runtime.mach_semaphore_timedwait
 usr/local/Cellar/go/1.10/libexec/src/runtime/sys_darwin_amd64.s
  Total:
                   20ms
                                 20ms (flat, cum) 0.48%
                                                                       sema+0(FP), DI
    546
                                                                    sec+4(FP), SI
nsec+8(FP), D
                                                            MOVL
                                                            MOVL
                                                                      $(0x1000000+38), AX
                                                                                                  // semaphore timedwait trap
    549
550
                                                            SYSCALL
                   20ms
                                                                     AX, ret+16(FP)
                                                    // func mach_semaphore_signal(sema uint32) int32
TEXT runtime mach_semaphore_signal(SB),NOSPLIT,$0
MOVL sema+0(FP), DI
runtime.evacuate fast64
/usr/local/Cellar/go/1.10/libexec/src/runtime/hashmap_fast.go
                                 10ms (flat, cum) 0.24%
  Total:
                   10ms
                                                            if h.growing() {
      evacuate_fast64(t, h, h.nevacuate)
                                                    func evacuate_fast64(t *maptype, h *hmap, oldbucket uintptr) {
   b := (*bmap)(add(h.oldbuckets, oldbucket*uintptr(t.bucketsize)))
   newbit := h.noldbuckets()
   1047
                   10ms
                                 10ms
                                                            if levacuated(b) {
    // TODO: reuse overflow buckets instead of using new ones, if there
    // is no iterator using the old buckets. (If loldIterator.)
runtime.notetsleep
/usr/local/Cellar/go/1.10/libexec/src/runtime/lock_sema.go
  Total:
                   10ms
                                 10ms (flat, cum) 0.24%
                                                             gp := getg()
if qp != ap .
                                                                    != gp.m.g0 && gp.m.preemptoff != ""
```

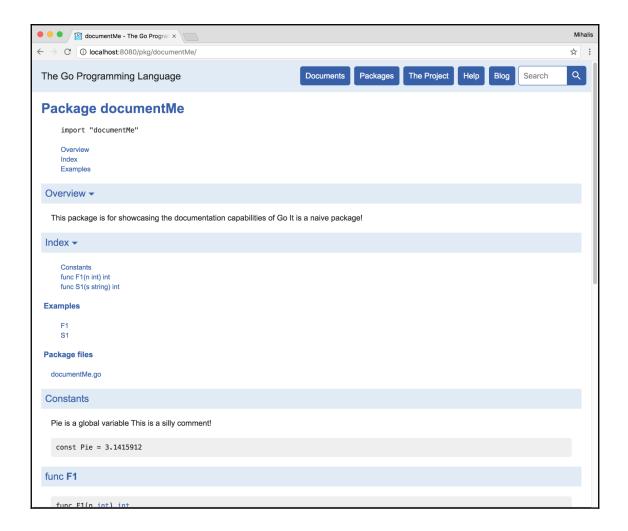
[10] -

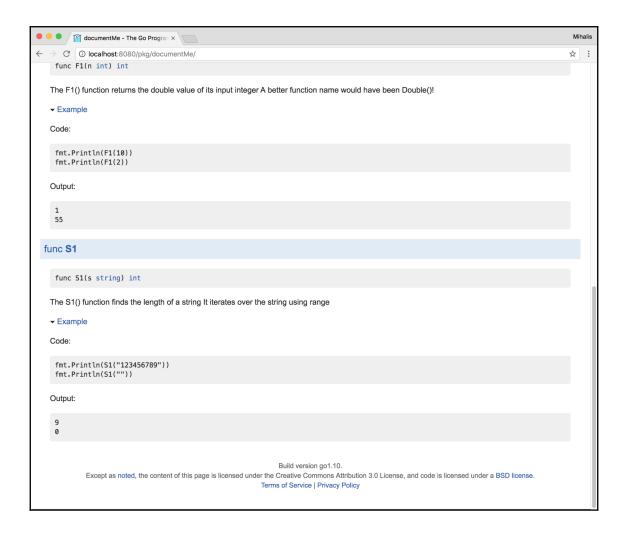












## **Chapter 12: The Foundations of Network Programming in Go**

