

```

func main() {
    ctx, cancel := context.WithCancel(context.Background())
    ch := func(ctx context.Context) <-chan int {
        ch := make(chan int)
        go func() {
            for i := 0; ; i++ {
                select {
                case <- ctx.Done():
                    return
                case ch <- i:
                }
            }
        }()
        return ch
    }(ctx)
    for v := range ch {
        fmt.Println(v)
        if v == 5 {
            cancel()
            break
        }
    }
}

```

