

Best practices for nested functions

```
myFunction:
    subi sp, sp, #16          // 16 or more, always multiple of 16
    stur lr, [sp, #0]        // do this first!
    // save 'preserved' registers here (if using any)
    // possibly save arguments here
    // (recommended: in 'preserved' register. Alternate: onto stack)

    // body of function (possibly with branches to 'myFunctionExit'
    ...

myFunctionExit:
    // reload 'preserved' registers' (if used any)
    ldur lr, [sp, #0]
    addi sp, sp, #16         // must match subi at start!

    br    lr                 // recommended: ONE location where you return

// Tell debugger where function this function ends! (IC220 requirement)
.size myFunction, . - myFunction
```