

Mini Quiz 17 (not for credit)

Name: _____

Kerberos: _____

Consider the following code:

```
func_foo:
line1:    enter $8, $0
line2:    movq $1, %rdi
line3:    call foo
line4:    addq %rdi, %rax
line5:    leave
line6:    ret
```

Caller save regs: RAX, RCX, RDX, R8-R11

Callee save regs: RBX, RBP, RDI, RSI, RSP, R12-R15

Q: What could go wrong with the above code? Name two ways of fixing it.

Q: Linearize the following expression: $(a - \text{foo}()) - \text{bar}(\text{baz}() * 2)$