

Quiz 7

* Required

1. Email address *

ANSWER KEY

2. What register does the ARM calling convention use for the return value? *

Mark only one oval.

- ☒ r0
- ☐ r1
- ☐ lr
- ☐ sp
- ☐ r4

3. If, in C, we write the function call "f(34, 56, 78)", what register will the called function expect to contain 56 according to the ARM calling convention? *

Mark only one oval.

- ☐ r0
- ☒ r1
- ☐ r2
- ☐ r3
- ☐ lr
- ☐ sp

4. A function always needs to save the arguments to the stack as local variables in order to execute correctly. *

Mark only one oval.

- ☐ True
- ☒ False

5. How is the "bl" instruction different from "b"? *

Mark only one oval.

- ☐ It only runs if the "I" flag is set
- ☒ It saves the return address to the link register before branching
- ☐ It pushes any necessary registers to the stack before branching
- ☐ It only works in leaf functions

A copy of your responses will be emailed to the address you provided

