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Stage 3 Codegen Example 1
                                          .data
Monday, May 6, 2024 11:01 AM
                                          .text
                                          .globl main
extern foo(int) -> int
                                         main:
fn main() -> int {
                                            pushq %rbp
  let x:int
                                            movq %rsp, %rbp
subq $16, %rsp
movq $0, -8(%rbp)
jmp main_entry
  entry:
x = $call_ext foo(42)
     $ret x
}
                                         main_entry:
                                       → movq $42, %rdi // passing argument call foo
                                       movq %rax, -8(%rbp) // storing return value
movq -8(%rbp), %rax
                                            jmp main_epilogue
```

main_epilogue:

popq %rbp

ret

movq %rbp, %rsp