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Assignment 4.3

a.

Global Scope
 |____ Function f(y)
    |____ Local Scope of f: y, x
       |____ Loop Scope (for): i, temp
 |____ main(argc, argv)
    |____ Local Scope of main: x
       |____ Calls f(x)

(b)

Global Scope
 |____ main()
    |____ Local Scope of main: a=5, ref_To_An_A → a
       |____ Inner Block Scope: a=10 (shadows outer a)

(c)

Global Scope
 |__ main()
    |____ Local Scope of main: p → heap(42)
       |____ Inner Block Scope: q → p

(d)

Global Scope
 |____ main()
    |____ Local Scope of main: p → heap(42)
       |____ Inner Block Scope: q → p