

R-1.2 (page 51)

Write a short Python function, `is_even(k)`, that takes an integer value and returns `True` if `k` is even, and `False` otherwise. However, your function cannot use the multiplication, modulo, or division operators.

R-1.3 (page 51)

Write a short Python function, `minmax(data)`, that takes a sequence of one or more numbers, and returns the smallest and largest numbers, in the form of a tuple of length two. Do not use the built-in functions `min` or `max` in implementing your solution.

R – 1.11 (page 51)

Demonstrate how to use Python's list comprehension syntax to produce the list `[1, 2, 4, 8, 16, 32, 64, 128, 256]`