

Pow(x, n)

Medium

Implement `pow(x, n)`, which calculates x raised to the power n (x^n).

Example 1:

Input: 2.00000, 10

Output: 1024.00000

Example 2:

Input: 2.10000, 3

Output: 9.26100

Example 3:

Input: 2.00000, -2

Output: 0.25000

Explanation: $2^{-2} = 1/2^2 = 1/4 = 0.25$

Note:

- $-100.0 < x < 100.0$
- n is a 32-bit signed integer, within the range $[-2^{31}, 2^{31} - 1]$