

Programming Exercises – Loops & Recursion

Only a couple, as we're doing a small project right after this.

1. Write a function that calculates a factorial using a loop, and one that calculates it using recursion.
2. Write a function that calculates a value to an exponent. It should be able to handle any integer exponent (i.e. positive and negative). You can use a loop, recursion, or both for this.
3. Write a function that checks if a number is prime.