Exercises

1.

Write a function

repeat(str, n)

that:

- Returns a new string that is repeated **n** times
- Use recursion - not loops

2.

Write a function
printRange(n, m)
that:

- Prints the range of numbers from **n** to **m**
- Use recursion - not loops

3.

Write a function

exponent(base, exp)

that:

- Returns the result of $base^{exp}$
- Use recursion - not loops

Examples:

$8^{2} = 8 * 8 = 64$

$4^{3} = 4 * 4 * 4 = 64$

4.

Write a function
fibonacciSequence(n)

- It should return a fibonacci sequence
- Make one version that uses iteration
- Make one version that uses recursion

Example:

fibonacciSequence(5) => [0, 1, 1, 2, 3]