Write a function to reverse a string.

Write a function that takes two numbers as parameters and returns their sum.

Write a function that takes an array of numbers and returns the largest number in the array.

Write a function that takes a string as input and returns the number of vowels in the string.

Write a function that takes a number as input and returns true if the number is even, otherwise false.

Write a function that takes an array of strings and returns a new array with only the strings that have a length greater than 5.

Write a function that takes two arrays as parameters and returns a new array containing elements that are present in both arrays.

Write a function that takes a number as input and returns the factorial of that number.

Write a function that checks whether a given number is a prime number or not.

Write a function that takes a sentence as input and returns the sentence with the first letter of each word capitalized.

Write a function that takes an array of numbers and returns the sum of only the positive numbers.

Write a function that takes a string as input and returns true if the string is a palindrome (reads the same forwards and backwards), otherwise false.

Write a function that takes a string as input and returns the string with all duplicate characters removed.

Write a function that takes an array of strings and returns a new array with the strings sorted alphabetically.

Write a function that takes a number as input and returns a string representation of the number in binary format.

Write a function that takes an array of numbers and returns a new array with each number squared.

Write a function that takes a string and a character as input and returns the number of times the character appears in the string.

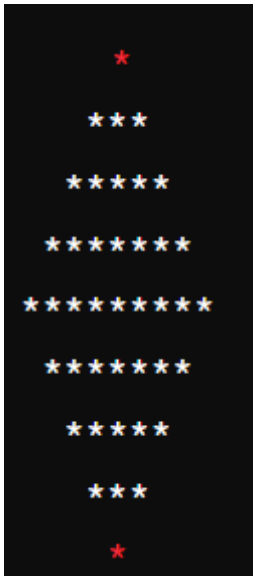
Write a function that takes two numbers as input and returns the least common multiple (LCM) of those numbers.

Write a function that takes an array of numbers and returns the median value of the numbers in the array.

Write a function that takes a sentence as input and returns the most common word in the sentence.

Write a function that takes a number as input and prints a pyramid pattern of asterisks with that many levels. For example, if the input is 4, the output should be:

Write a function that takes a number as input and prints a diamond pattern of asterisks with that many levels. For example, if the input is 5, the output should be:

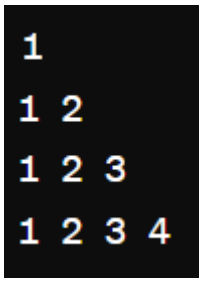


Write a function that takes a number as input and prints a right triangle pattern of asterisks with that many rows. For example, if the input is 5, the output should be:

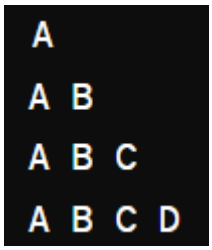
Write a function that takes a number as input and prints a hollow square pattern of asterisks with that many rows and columns. For example, if the input is 4, the output should be:

Write a function that takes a number as input and prints a staircase pattern of asterisks with that many steps. For example, if the input is 5, the output should be:

Write a function that takes a number as input and prints a pattern where each row contains numbers from 1 to the row number. For example, if the input is 4, the output should be:



Write a function that takes a number as input and prints a pattern where each row contains alphabets starting from 'A' to the row number. For example, if the input is 4, the output should be:



Write a function that takes a number as input and prints a pattern where each row contains alternating numbers and alphabets starting from 1 and 'A'. For example, if the input is 5, the output should be:

Write a function that takes a number as input and prints a pattern where each row contains the sum of the numbers from 1 to the row number. For example, if the input is 4, the output should be:

Power Function: Write a function to calculate the power of a number raised to an exponent without using the built-in Math.pow() function.

Armstrong Number Checker: Write a function to check if a given number is an Armstrong number.

String Compression: Write a function to perform basic string compression using the counts of repeated characters. For example, the string "aabbbcccc" would become "a2b3c4".

Find Missing Number: Write a function to find the missing number in an array containing numbers from 1 to n except for one missing number.

Matrix Rotation: Write a function to rotate a given matrix by 90 degrees clockwise or anti-clockwise.

Pattern Matching: Write a function to find all occurrences of a given pattern in a string.

Stack Implementation: Implement a stack data structure with operations like push, pop, and isEmpty.