TASKS

 Write a function that generates the prime factorization of a number. Write a function that reverses each word in a sentence without changing their order in the sentence. Only spaces separate words.
Example:
Input: "hello world"
Output: "olleh dlrow"
3. Write a Caesar Cipher function that shifts each letter in a message by a given number of positions. Assume only uppercase letters are used.
Example:
Input: "HELLO", Shift: 3 Output: "KHOOR"
4. Write a function that converts an integer to its binary representation as a string.
5. Write a function that multiplies two matrices of size 2x2 and prints the result.
6. Write a function to find the longest word in a sentence without using any string manipulation libraries.
Assume words are separated by single spaces.
Example:
Input: "Find the longest word"
Output: "longest"
7. Write a function that counts the frequency of each unique word in a sentence without using any string
manipulation libraries. Assume only spaces separate words, and the words are case-sensitive.
Example:
Input: "cat dog cat"

Output: "cat: 2, dog: 1"

8. Write a function to sort the words in a sentence alphabetically.

Example:

Input: "banana apple cherry"

Output: "apple banana cherry"