1. Define a function with two parameters, assigning a default value to the second one. Call it with both one and two arguments, and show the outputs.

2. Create a function that takes a name and a city as input and returns a multi-line message using template literals, incorporating both variables.

3. Combine two arrays using the spread operator and find the maximum value in the merged array.

4. Create an object with properties name, age, and country, and use destructuring to extract them into variables. Also, destructure an array of five numbers to get the first two elements.

5. Access the city property of a nested object using both dot notation and optional chaining.

6. Given an array of student objects with properties name and marks, use:map() to extract the names.

7. filter() to return students with marks above 80.

8. Use map() on a string array to create a new array where each string is prefixed with "Hello, ".

9. Given an array of objects, use filter() to return all objects where a specific condition is met (e.g., products priced above a certain amount).

10. You have an array of product objects, where each product has a `name` and `price`. Write a function that uses the `map` method to create a new array of strings. Each string should contain the product's name and price formatted as `Product: [name] costs $[price]`.