

Arrow Functions

1. **Square of Numbers:** Write an arrow function that takes an array of numbers and returns a new array with the square of each number.
 2. **Sum of Array:** Create an arrow function that takes an array of numbers and returns the sum of all elements.
 3. **Filter Even Numbers:** Use an arrow function to filter and return only the even numbers from an array.
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Strings

4. **Reverse a String:** Write a function that takes a string and returns its reverse.
 5. **Count Vowels:** Create a function that counts the number of vowels in a string.
 6. **Check Palindrome:** Write a function to check if a given string is a palindrome.
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Arrays

7. **Find Max Number:** Write a function that finds and returns the maximum number in an array.
 8. **Remove Duplicates:** Create a function that removes duplicate values from an array.
 9. **Merge Arrays:** Write a function to merge two arrays and remove duplicates from the resulting array.
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For Loops

10. **Factorial Calculation:** Use a for loop to calculate the factorial of a given number.
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While Loops

12. **Sum of Digits:** Write a program using a while loop to calculate the sum of digits of a given number.
 13. **Number Guessing Game:** Implement a simple guessing game where the user guesses a number until they get it correct (simulate with a random number).
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Do While Loops

14. **Print Numbers:** Use a do-while loop to print numbers from 1 to 20.
15. **Collect User Input:** Simulate collecting input from a user (e.g., prompts) in a do-while loop until they type "stop".

Challenge (Combining Topics)

Sorting Words: Write a function that takes a string, splits it into an array of words, sorts the words alphabetically, and returns the sorted string.