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Problem 1: Reverse a String
Description:
Write a function that takes a string as input and returns the string reversed.
Input:
A single string `s` (1 \le |s| \le 1000) containing only alphabetical characters.
Output:
A string which is the reverse of `s`.
Test Cases:
1. Input: `"hello"`
   Output: `"olleh"`
2. Input: `"racecar"`
   Output: `"racecar"`
 Problem 2: Check for Palindrome
Description:
Write a function that checks if a given string is a palindrome (reads the same
forward and backward).
Input:
A single string `s` (1 \le |s| \le 1000) containing only alphanumeric characters.
Output:
Return `True` if `s` is a palindrome, otherwise return `False`.
Test Cases:

    Input: "A man, a plan, a canal, Panama"

   Output: `True`
2. Input: `"hello"`
   Output: `False`
3. Input: `"Was it a car or a cat I saw?"`
   Output: `True`
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Problem 3: Find the Maximum Element in an Array
Description:
Write a function that finds the maximum element in an integer array.
Input:
An array of integers `arr` (1 \le |arr| \le 1000, -10^9 \le arr[i] \le 10^9).
Output:
An integer representing the maximum value in `arr`.
Test Cases:
1. Input: `[3, 1, 4, 1, 5, 9, 2]`
   Output: `9`
2. Input: `[-1, -2, -3, -4]`
Output: `-1`
3. Input: `[10]`
   Output: `10`
 Problem 4: Count Vowels in a String
Description:
Write a function that counts the number of vowels in a given string.
A single string `s` (1 \le |s| \le 1000) containing only alphabetical characters.
An integer representing the number of vowels (a, e, i, o, u) in `s`.
Test Cases:
1. Input: `"hello"`
   Output: `2`
2. Input: `"sky"`
   Output: `0`
Problem 5: Merge Two Sorted Arrays
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Description:

Write a function that merges two sorted integer arrays into one sorted array.

Input:

Two arrays `arr1` and `arr2` $(1 \le |arr1|, |arr2| \le 1000, -10^9 \le arr[i] \le 10^9)$.

Output:

A single sorted array containing all elements from `arr1` and `arr2`.

Test Cases:

- 1. Input: `arr1 = [1, 3, 5], arr2 = [2, 4, 6]` Output: `[1, 2, 3, 4, 5, 6]`
- 2. Input: `arr1 = [1, 2, 3], arr2 = [4, 5, 6]`
 Output: `[1, 2, 3, 4, 5, 6]`
- 3. Input: `arr1 = [0, 0, 0], arr2 = [1, 1, 1]`
 Output: `[0, 0, 0, 1, 1, 1]`