

Don Miner's CMSC 104 Exam 3 -- Review

PRACTICE PROBLEMS

Write a function called *join* that takes in an array of strings as an argument. The function should return a string that has all the individual strings concatenated. For example, calling the function with the array ["hello", " ", "world", "!!!!!!!!!!!!!!!!!!!!!!"] should return "hello world!!!!!!!!!!!!!!!!!!!!!!".

Write a function *SafeDiv* that takes in two numbers, divides them, and returns the result. If the second number passed in is zero, however, instead of letting the computer divide by zero, use `alert` to yell at the user and return the string "bad".

Write the code that creates a copy of an array, but in reverse order.

Write the code that would split an array into two new arrays: one that contains the even indices of the original array and one that contains the odd indices of the original array. For example, if the original array is [1, 4, 3, 2, 6, 3], the two new arrays are [1, 3, 6] and [4, 2, 3].

Write a function that takes an array and a number as a parameter. This function should return an array that only contains numbers that are multiples of that number. For example, if the array is [9, 6, 3, 5, 1, 3, 5] and the number is 3, the function should return [9, 6, 3, 3].

STUFF TO REMEMBER

- Know how to iterate through an array with a for-loop
- Remember how to use if-statements
- Know how to index into an array
- Know how to declare functions
- Know why returning and passing is better than global variables
- Know how to create arrays
- Remember basic functions such as `alert`, `prompt`, `document.write`