

Worksheet 13 Arrays II Questions

1. Write a function `match` which takes 2 integer arrays (named `one` and `two`) and returns the number of times "matches" occur in parallel positions in the two arrays. That is, count the number of times `one[i] == two[i]`. The size of both arrays is the same. The arrays are passed as parameters along with their size.
2. Write a prototype for your function in question 1.
3. Write the statements to declare two arrays of size 25, read values into the arrays, call your `match` function, and print out the number of matches in the two arrays.
4. Write a function named `count` that will count and return the occurrences of a given character in an array named `letters`. The parameters will be the array `letters`, the size of the array, and the character to count.
For example: If the array contained the values
 x 8 R A a a 0 s S a A
and the character to count was 'a', then the function would return 3.
5. Write a prototype for the function in the previous problem.
6. Write the statements to declare an array of characters, and initialise the array to contain the characters: f A i @ N Z a 7 p Y h A.
Call the `count` function and print the number of times the character `p` is contained in the array.
7. Write a function called `search` that receives an array of ints, the size of the array, and a number to search for. The function will return `true` if the number is contained in the array, and will return `false` otherwise.
8. Write a prototype for your `search` function.
9. Write the statements to call your function to search for the value 1500 in an array called `salaries` which has 100 elements. Print a message telling whether the value was found in the array.