

**CSC 212: Data Structures and Abstractions**  
**University of Rhode Island**  
**Weekly Problem Set #1**

1. Write a function that returns the length of a given string. EX: Given "Test", return 4.
2. Using the function you defined above, create another function that returns true if a given string is a palindrome, and false if it is not. EX: "ABCBA" is a palindrome, "ABC" is not.

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- 2 of 6

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- 3 of 6

- 4 of 6

9. How would you implement a function that reverses a given array in place? Write a high-level psuedo-code for this function.
10. Briefly describe the difference between an array of integers and characters. How would you find their length? Space Requirements?

11. Using psuedo code, write a function that converts a string of numbers to their decimal equivalent.  
EX: Given "1 2 3 4 5", generate the array [1, 2, 3, 4, 5].