

Lesson 23 – JavaScript Functions & Variable Scope

Goals:

- Create and use functions in modular JavaScript programs.
 - Declare and use local and global variables. Understand the concept of variable scope.
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Functions:

- read and try: https://www.w3schools.com/js/js_functions.asp
- complete exercises: [\[1\]](#), [\[2\]](#), [\[3\]](#), [\[4\]](#)

Variable Scope:

- global and local variables: https://www.w3schools.com/js/js_scope.asp
 - closures and private variables: https://www.w3schools.com/js/js_function_closures.asp
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Exercises:

1. Write a JavaScript function reverse(s) that returns a reversed string.
Example string = "webmaster"
Expected output: "retsambew"
 2. Write a JavaScript function that checks whether a passed string is palindrome or not. A palindrome is a word or a sequence that reads the same backward as forward, e.g. "madam" or "nurses run".
Note: The function from the exercise 1 may be used to reverse the string, but you need to remove any whitespaces beforehand.
 3. Write a JavaScript function that returns a passed string with letters in alphabetical order.
Example string: 'webmaster'
Expected output: 'abeemrstw'
Assume punctuation and numbers symbols are not included in the string.
 4. Write a JavaScript function that check if the input number is prime or not.
Note: A prime number (or a prime) is a natural number greater than 1 that has no positive divisors other than 1 and itself.
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