

FUNCTION

Assignment # 35-38
JAVASCRIPT

1. Write a function that displays current date & time in your browser.

Sat Dec 05 2015 22:18:39 GMT+0500 (PKT)

2. Write a function that takes first & last name and then it greets the user using his full name.
3. Write a function that adds two numbers (input by user) and returns the sum of two numbers.
4. **Calculator:**
Write a function that takes three arguments num1, num2 & operator & compute the desired operation. Return and show the desired result in your browser.
5. Write a function that squares its argument.
6. Write a function that computes factorial of a number.
7. Write a function that take start and end number as inputs & display counting in your browser.
8. Write a nested function that computes hypotenuse of a right angle triangle.

$$\text{Hypotenuse}^2 = \text{Base}^2 + \text{Perpendicular}^2$$

Take base and perpendicular as inputs.
Outer function : calculateHypotenuse()
Inner function: calculateSquare()

9. Write a function that calculates the area of a rectangle.
A = width * height
Pass width and height in following manner:
 - i. Arguments as value
 - ii. Arguments as variables

10. Write a JavaScript function that checks whether a passed string is palindrome or not?
A palindrome is word, phrase, or sequence that reads the same backward as forward, e.g., madam.

11. Write a JavaScript function that accepts a string as a parameter and converts the first letter of each word of the string in upper case.
EXAMPLE STRING : 'the quick brown fox'
EXPECTED OUTPUT : 'The Quick Brown Fox'

12. Write a JavaScript function that accepts a string as a parameter and find the longest word within the string.
EXAMPLE STRING : 'Web Development Tutorial'
EXPECTED OUTPUT : 'Development'

13. Write a JavaScript function that accepts two arguments, a string and a letter and the function will count the number of

occurrences of the specified letter within the string.

Sample arguments : 'JSResourceS.com', 'o'

14. **The Geometrizer**

Create 2 functions that calculate properties of a circle, using the definitions here.

Create a function called calcCircumference:

- Pass the radius to the function.
- Calculate the circumference based on the radius, and output "The circumference is NN".

Create a function called calcArea:

- Pass the radius to the function.
- Calculate the area based on the radius, and output "The area is NN".

$$\text{Circumference of circle} = 2\pi r$$

$$\text{Area of circle} = \pi r^2$$

-- END --

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