Assignment # 35-38  
JAVASCRIPT

Module A  - Mobile & Cloud Computing

**FUNCTIONS**

# **| FUNCTIONS|**

1. Create a block of code that you can use several times.
2. Write a function that displays current date & time in your browser.
3. Write a function that takes first & last name and then it greets the user using his full name.
4. Write a function that adds two numbers (input by user) and returns the sum of two numbers.
5. **Calculator:**   
   Write a function that takes three arguments num1, num2 & operator & compute the desired operation. Return and show the desired result in your browser.
6. Write a function that squares its argument.
7. Write a function that take start and end number as inputs & display counting in your browser.

1. Write a function that writes variable length arguments list in your browser.
2. Write a function that accepts any number of arguments & find largest of the number.
3. Write a function that calculates the area of a rectangle.  
   A = width \* height  
   Pass width and height in following manner:
   1. Arguments as values
   2. Arguments as variables
4. Write a function that receives an array & returns the sorted array.
5. Write a function that takes numbers array, sums its elements & returns the sum.
6. Execute & monitor the output of following JS program:  
   var param = function inner() {   
    return typeof inner;   
   }  
   alert(param());
7. Write a function that computes power of a number. E.g. 23 is 8.
8. Write a function that simulates a dice & returns a random dice value.
9. Write a JavaScript function that reverse a number.   
   Example x = 32243;  
   Expected Output : 34223
10. 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'
11. 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'
12. Write a JavaScript function that accepts a string as a parameter and counts the number of vowels within the string.

Example string: 'The quick brown fox'   
Expected Output : 5

**-- END --**