FUNCTIONS

Assignment # 35-38

JAVASCRIPT

MODULE A - Mobile & Cloud Computing

| 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.

8. Write a function that writes variable length arguments list in your browser.

9. Write a function that accepts any number of arguments & find largest of the number.

10. Write a function that calculates the area of a rectangle.
    A = width * height
    Pass width and height in following manner:
    a. Arguments as values
    b. Arguments as variables

11. Write a function that receives an array & returns the sorted array.

12. Write a function that takes numbers array, sums its elements & returns the sum.

13. Execute & monitor the output of following JS program:
```
var param = function inner() {
    return typeof inner;
}
```

alert(param());

14. Write a function that computes power of a number. E.g. 2^3 is 8.

15. Write a function that simulates a dice & returns a random dice value.

16. Write a JavaScript function that reverse a number.
    Example x = 32243;
    EXPECTED OUTPUT : 34223

17. 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'

18. 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'

19. 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 --