



Stalin Sandy - R5_P...







Javascript Topic 5 - Part 1

User Defined Functions, Events, Window Objects,



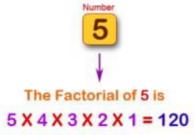
Timer Events

Lab Assignments:

1) 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. Ex: Madam, Malayalam)

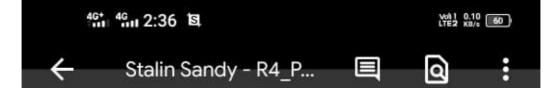
2) Write a Recursive program for Factorial



- Get runtime value from user. Write function to remove vowels from string and display the output.
- 4) Consider the two functions below. Will they both return the same thing? Why or why not?

```
function foo1()
{
          return {
                bar: "hello"
        };
}
function foo2()
{
          return
          {
                bar: "hello"
          };
}
```





Javascript Topic 4 - Part 2

Lab Assignments:

- 1) Write a program to reverse array values
- 2) Write a program to find count of spaces and count of words from given string
- 3) Write a program to reverse string value
- 4) To remove repeated characters in a string
- 5) Write a program to find total and average of given marks in array
- 6) To check whether year is leap year or not
- 7) To display current date and time with specific format (Ex: 12:30:22 PM)



Javascript Topic 3 - Part 1

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Lab Assignments:

1) Print number from 1 to 50. If number is divisible by 3 print "Accord"

If number is divisible by 5 print "Info"

If number is divisible by 3&5 print "Accord Info Matrix"

Fibonacci series (Starts with a 0 and 1 and proceeds based on the rule that each number is equ to the sum of the preceding two numbers)

Ex: 01235813...

3) Factorial (Product of all integers less than or equal to n)

Ex: Input: 5 Output: 120 (Steps: 1*2*3*4*5=120)

4) Prime Number (It will be divide by 1 and the same number itself)

Ex: 3, 7, 11, 13,....

5) 8*8 chess board



6) Armstrong number (It is a number that is equal to the sum of cubes of its digits.)

Ex: 153, 370, 371, 407

Input: 153 Steps: (1*1*1) + (5*5*5) + (3*3*3) = 153

7) Niven number (Number that is divisible by the sum of its digits)

Ex: Input: 45 Steps: 4+5 =9. You need to get reminder value as 0 when we divide 45 by 9

8) Multiplication table



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Javascript Topic 2 – Part 2 Control Structures



Lab Assignments:

- 1) Write a program to check given year is leap year or not
- 2) Write program for Factorial number (Product of all integers less than or equal to n)

Input: 5 Output: 120 (Steps: 1*2*3*4*5=120)

3) Print Grade based on marks

Marks	Grade O		
100			
90-99	Α		
80-89	В		
70-79	C		
60-69	D		
50-59	E		
Below 50	F		





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Javascript Topic 2 – Part 1 Control Structures



Lab Assignments:

- 1) Write a program to find the given number is odd or even
- 2) Find smallest of three numbers
- 3) Check whether the person is eligible to vote or not (Eligible Age: 18)
- 4) Calculate Electricity Bill

Units	Normal Charges Per Unit	Extra Charges Per Unit
<=100	0	
101 to 250	2	25
251 to 450	4	75
>450	6	100





Javascript Topic 4 - Part 1

Lab Assignments:

1) Find duplicate values from Array

Input: 10, 20, 45, 35, 20, 25

- 2) Find count of vowels from string
- 3) Palindrome (It is an sequence of words that reads the same backward as forward)

Ex: madam, Malayalam

4) Anagram (Both string have equal count and same characters)

Ex: silent, listen

- 5) Find maximum and minimum value from array
- 6) Sort array values in ascending order





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Javascript Topic 5 - Part 2

User Defined Functions, Events, Window Objects,



Timer Events

Lab Assignments:

1) Create start, stop, pause buttons and implementing below logic using timer events.

Start -> When you click on start button it should display 1,2,3,.... in console window.

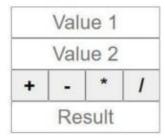
For every second it should increment one value.

Stop -> When you click on stop button, stop to print value, Reset to 0.

Pause -> When you click on pause button, stop to print value. But it should continue the value.

2) Create below design using HTML, CSS and implement calculator logic

Enter Value 1 and Value 2, click on any operation. Print output in Result box.







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Javascript Topic 1 – Part 1 Javascript Introduction, Variable, Operators



Lab Assignments:

- 1) Print "Welcome to Javascript" in bold format using Javascript
- 2) Print confirmation value in console.



- 3) Create 5 different type of variable (integer, string, boolean, float, null) and print data type of values.
- 4) Get two numeric runtime values from user and add both value and print output in bold format like below

Value of A is: 5

Value of B is: 8

Output: 13





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Javascript Topic 3 - Part 2



Lab Assignments:

1	1	1
23	21	01
456	321	101
78910	4321	0101
	54321	10101

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Javascript Topic 1 – Part 2 Javascript Introduction, Variable, Operators



Lab Assignments:

1) Swap two numbers using third variable (You can create three variables like a, b, c)

```
Enter 1st Number: 181
Enter 2nd Number: 99
Before Swapping: First Number: 181 Second Number: 99
After Swapping: First Number: 99 Second Number: 181
```

- 2) Swap two numbers without using third variable (You must create two variables like a, b)
- 3) Find biggest of three numbers using conditional operator
- 4) Swap two numbers without using Arithmetic operator

