

## Practical No:1

**Aim:** Write a simple javascript with HTML for arithmetic expression evaluation.

### Theory:

**-methods for message printing:**

....

.....

....

**-Expression(operator):.....**

**-Types of oprator in javascript:.....**

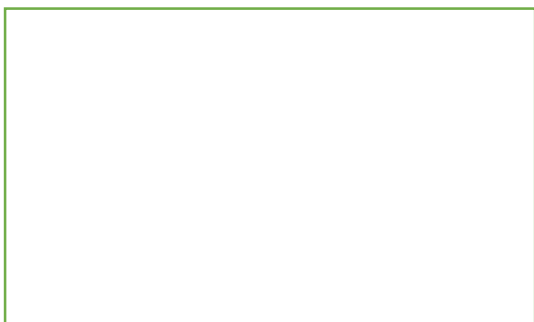
### Program:

.....

.....

.....

### Output:



### Practical Related Questions:

#### Batch 1:

**What is bitwise operator ?explain with example**

**Describe conditional operator?**

**Batch2:**

**Explain Assignment operator with example**

**What is expression?**

**Batch 3:**

**Explain the relational operators with example**

**What is use of getElementById()?**

**Exercise:**

**Pgm1: WAP to print table of given no.**

**Pgm2:WAP to find a greater number between 3 nos**

**Pgm3:WAP to check given no is even or odd**

**Conclusion:**

**In this practical I have studied how to evaluate a expression by using different types of operators.**

## **Practical No :2**

**Aim:.....**

**Theory:**

**.....Decision Making stmts:**

**-def**

**-List**

**-explain one of them**

**Looping stmts:**

**-def**

**-list**

**-explain one of them**

**.....**

**.....**

**.....**

**Program:**

**1.Decision making:**

**2.Looping stmt:**

**Output:**

**Practical related Q:**

**1.Compare while and do-while loop**

**2.Explain if-else stmt**

**Batch 2:**

**1.Explain for loop with syntax**

**2.Give syntax of switch case**

**Batch 3:**

**1.Explain nested if else with syntax**

**2.Diff bet for and for in loop**

**Exercise:**

**Pgm1:**

**WAP to print factorial of nos**

**Pgm2:**

**WAP to check whether given no is positive or negative**

**Pgm3:**

**WAP to print odd no between 1 to 30**

**Coclusion:**

**Here we have studid.....**

## **Practical no:3**

**Aim: Implement array functionalities**

**Theory:**

**-Array:**

**-Declaration:**

**-Defining array elements:**

**-Different methods of array:**

**Program:**

**Output:**

**Pr.r.q:**

**1)compare search() and match() of string**

**2)how you can add elements to array**

**Batch2:**

**1)Explain use of length keyword with example**

**2) Explain purpose of substr() and substring()**

**Batch 3:**

**1) how to combine array elements into string?**

**2)How to sort elements in array?**

**Exercise:**

**1)WAP to display 5 elements of array in sorted order and reverse order**

**2)WAP to find highest and lowest number from array**

**3)WAP to extract the third and the fourth elements from the array(take any array of 6 elements)**

**Conclusion:**

**In this practical we have studied....**

#### **Practical NO:4**

**Aim: Develop javascript to implement functions**

**Theory:**

**-Function Definition and syntax**

**-defining function**

**Program:**

**Output:**

**Pr.r.Q:**

**Batch 1:**

**1)How to call a function with argument.Write example?**

**2)How to call a function from html?**

**Batch2:**

**1) Diff bet Global variable and local variable**

**2)what is use of onload and onunload attribute?**

**Batch3:**

**1)how to add multiple arguments to function.**

**2)How to invoke function as a method?**

## **Exercise:**

**Batch -1)** Write a JavaScript function that reverse a number.

**Batch-2)** Write a JavaScript function that accepts a number as a parameter and check the number is prime or not

**Batch -3)** Write a JavaScript function that finds a square root of a number

## **Conclusion:**

**In this practical we have studied....**

## **Practical no:5**

### **Aim:**

**Develop javascript to implement strings**

### **Theory:**

**String def, declaration, definition**

### **Program:**

..

### **Output:**

...

### **Pr.r.Q:**

**1)How to retrieve a character from given position?**

**2)write use of concat() with example**

**1)what is Purpose of split().Explain with example**

**2)How to retrieve position of character?**

**1)Write use Substring() with example**

**2)How to convert string to number?**

**Exercise:**

- 1)** Write a JavaScript function that accepts a string as a parameter and counts the number of vowels within the string
- 2)** Write a JavaScript function that returns a passed string with letters in alphabetical order.
- 3)** WAP that demonstrate string replace() method

**Conclusion:**

**In this practical we have studied....**