

Program No	1
Roll No	MCA2511
Title	Basics of node js
Objective	<p>To understand basic of nodejs using functions</p> <ol style="list-style-type: none"> 1. Function in Node js to find sum of numbers between two values. 2. Function in Node js to find factorial of number. 3. Function in Node js to mimic functions of calculator ADD,SUBTRACT

CODE:

```
// Addition, Subtraction, Multiplication, Division, Modulus function
function add(x,y) {return x+y;}
function sub(x,y) {return x-y;}
function mul(x,y) {return x*y;}
function div(x,y) {return x/y;}
function mod(x,y) {return x%y;}

// Function to calculate sum between two numbers
function sumoftwono(x,y)
{
    sum = 0;
    for(i=x;i<=y;i++) sum = sum + i;
    return sum;
}

// Factorial function
function fact(x)
{
    fact = 1;
    for(i=x;i>0;i--) fact = fact * i;
    return fact;
}

// Giving values
n1=10;
```

```
n2=12;

console.log("Addition of "+n1+" & "+n2+"\t\t:" + add(n1,n2));
console.log("Subtraction of "+n1+" & "+n2+"\t\t:" +sub(n1,n2));
console.log("Multiplication of "+n1+" & "+n2+"\t\t:" + mul(n1,n2));
console.log("Division: of "+n1+" & "+n2+"\t\t:" + div(n1,n2));
console.log("Modulos: of "+n1+" & "+n2+"\t\t:" + mod(n1,n2));

console.log("Factorial of "+n1+" is "+fact(n1));
console.log("Sum of between two no "+n1+" & "+n2+" is
"+sumoftwono(n1,n2));
```

OUTPUT:

```
PS C:\Users\mcamock\Desktop\WEB_LAB\node.js> node lab1.js
Addition of 10 & 12 :22
Subtraction of 10 & 12 :-2
Multiplication of 10 & 12 :120
Division: of 10 & 12 :0.8333333333333333
Modulos: of 10 & 12 :10
Factorial of 10 is 3628800
Sum of between two no 10 & 12 is 33
```