NAME – ANSH GOEL

REGISTER NO. – 20BCE1798

COURSE NAME – INTERNET AND WEB PROGRAMMING

COURSE CODE – CSE3002

LAB – 6

JS-EXERCISE

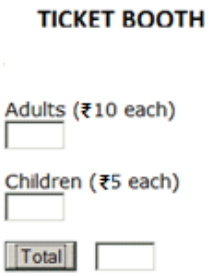
AIM: To use JavaScript to solve the questions given below.

1. A General Service company hired you to calculate the labour cost and total charge for the services rendered to their client based on the formula given below:
   Rate per hour : Rs.45/-
   Labour cost : Rate per hour * hours work
   Total Charge : Labour cost + Cost of Materials.

Write a JavaScript program (Internal) using suitable pop up boxes to read the necessary inputs and display the output.

2. Write a JavaScript program that reads a value from the user and displays the prime numbers between 1 and the value provided by the user. The values should be printed in an HTML table.
3. Write a JavaScript program to accept your reg.no and display it as shown below by applying inline style (2 marks)

4. A circus has an entry ticket booth. Visitors come to the booth, and order tickets for adults and children. The booth attendant collects the entry fee, and prints out the tickets. Write a JavaScript program (External) to display the total amount in a given text box on clicking 'Total' button.



Procedure:

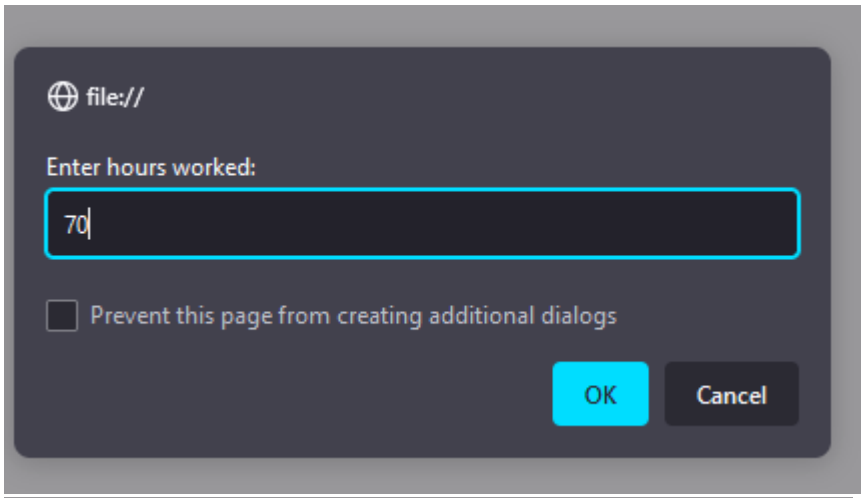
1. Learn the concepts
2. Code it
3. Check the output
4. Verify it

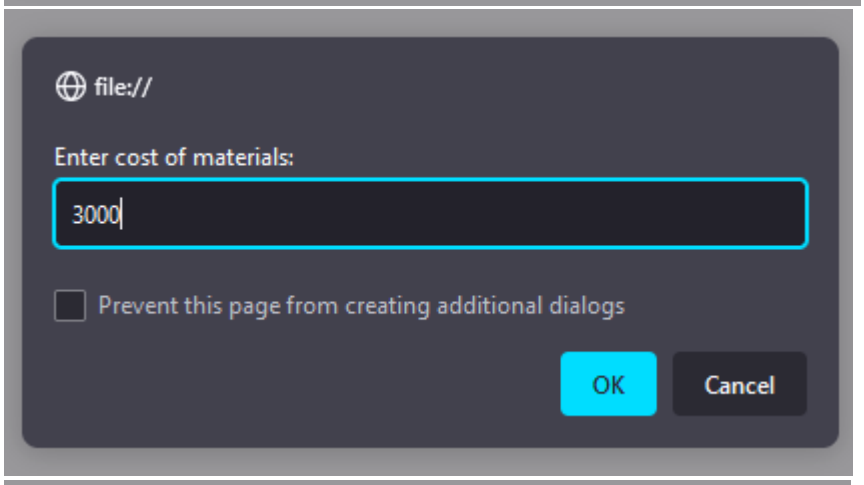
CODE:

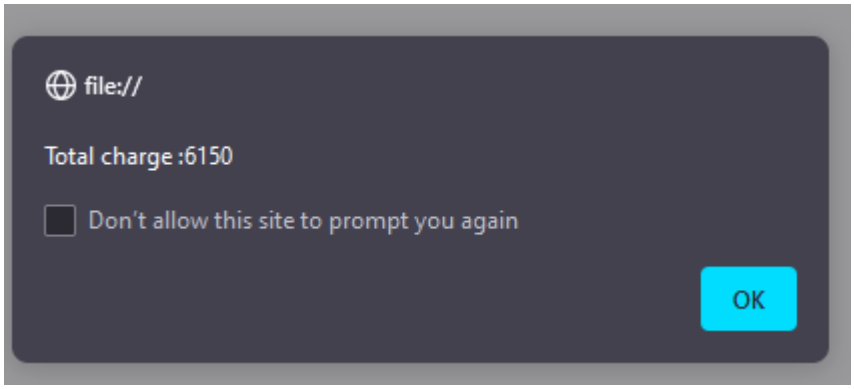
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Lab-6_ANSH-GOEL_20BCE1798</title>
</head>
<body>
    <div>
        <h2>Ques 1</h2>
        <button type="submit" onclick="q1()">Run Q1</button>
        <span id="res1"></span>
    </div>
    <div>
        <h2>Ques 2</h2>
        <input type="number" id="q2in">
        <button type="submit" onclick="q2()">Run Q2</button>

    <table id="myTable" style="border:2px"></table><br><br>
    <span id="res2"></span></div>
    <div>
        <h2>Ques 3</h2>
        <input type="string" id="q3in">
        <button type="submit" onclick="q3()">Run Q3</button>
        <div id="res3"></div>
    </div>
    <div>
        <h2>Ques 4</h2>
        <label >Adults (Rs 10 each)<br></label>
        <input type="number" id="q4in1"><br><br>
        <label>Children (Rs 5 each)<br></label>
        <input type="number" id="q4in2"><br><br><br>
        <button type="submit" onclick="q4()">Total</button><input
type="string" id="res4">
    </div>
</body>
<script>
    function q1(){
        hr=parseInt(prompt('Enter hours worked:'));
```

```
        c=parseInt(prompt('Enter cost of materials:'));
        rph=45
        lc=rph*hr;
        alert('Total charge :'+(lc+c));
        document.getElementById('res1').innerHTML+='<br>Total charge'+tc;
    }
    function q2(){
        n=document.getElementById('q2in').value;
        var x = document.getElementById("myTable");

       for(let i=2;i<=n;i++){
        if(isPrime(i)){
            var row=x.insertRow(0);
            var cell1=row.insertCell(0);
            cell1.style.border="black solid 2px";
            cell1.innerHTML=i;
        }
       }
       document.getElementById("res2").appendChild(x);
    }
    function isPrime(num){
        let isPrime=true;
        for(let i=2;i<num;i++){
            if(num%i==0){
                isPrime=false;
            }
        }
        return isPrime;
    }

    function q3(){
        l=document.getElementById('q3in').value;
        document.getElementById('res3').innerHTML+='<br>'+l;
        document.getElementById('res3').style.padding="10px";
        document.getElementById('res3').style.border = "red solid 5px";
        document.getElementById('res3').style.marginRight='400px';
    }
    function q4(){
        a=document.getElementById('q4in1').value;
        b=document.getElementById('q4in2').value;
        c=(a*10)+(b*5);
        document.getElementById('res4').value=c;
    }
</script>
</html>
```

OUTPUT:


file://
Enter hours worked:
70
Prevent this page from creating additional dialogs
OK
Cancel


file://
Enter cost of materials:
3000
Prevent this page from creating additional dialogs
OK
Cancel


file://
Total charge :6150
Don't allow this site to prompt you again
OK

Ques 1

Run Q1

Ques 2

20 Run Q2

19
17
13
11
7
5
3
2

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Ques 4

Adults (Rs 10 each)
30

Children (Rs 5 each)
25

Total 425