

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:

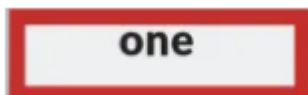
Rate per hour : Rs.45/-

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.

TICKET BOOTH

Adults (₹10 each)

Children (₹5 each)

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:'));
  }
</script>
```

```

        c=parseInt(prompt('Enter cost of materials:'));
        rph=45
        lc=rph*hr;
        alert('Total charge :'+(lc+c));
        document.getElementById('res1').innerHTML+='\nTotal 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+='\n'+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:

The image displays three sequential browser dialog boxes, each with a dark gray background and a light gray border. Each dialog box features a globe icon and the text "file://" in the top left corner.

The first dialog box prompts the user to "Enter hours worked:" and contains a text input field with the value "70". Below the input field is a checkbox labeled "Prevent this page from creating additional dialogs". At the bottom right are two buttons: "OK" (highlighted in red) and "Cancel".

The second dialog box prompts the user to "Enter cost of materials:" and contains a text input field with the value "3000". It also includes the same checkbox and "OK" (highlighted in red) and "Cancel" buttons at the bottom right.

The third dialog box displays the text "Total charge :6150" and includes the checkbox labeled "Don't allow this site to prompt you again". At the bottom right is a single "OK" button (highlighted in red).



Ques 1

Run Q1

Ques 2

20

Run Q2

19

17

13

11

7

5

3

2

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Run Q3

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Ques 4

Adults (Rs 10 each)

30

Children (Rs 5 each)

25

Total 425

