

KARIMGANJ COLLEGE



Academic Year 2022 - 23

Department: Computer Science (BCA)

Name of Assignment: Practical on Internet Technologies

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Subject: Practical on Internet Technologies

Date of Submission:

Student Sign:

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Experiment 1

Name of the Experiment:

Print a table of numbers from 5 to 15 and their squares and cubes using alert.

Objective of the program:

The main objective of the experiment is to Print a table of numbers from 5 to 15 and their squares and cubes using alert.

Text Editor: VS code

Browser: Google chrome

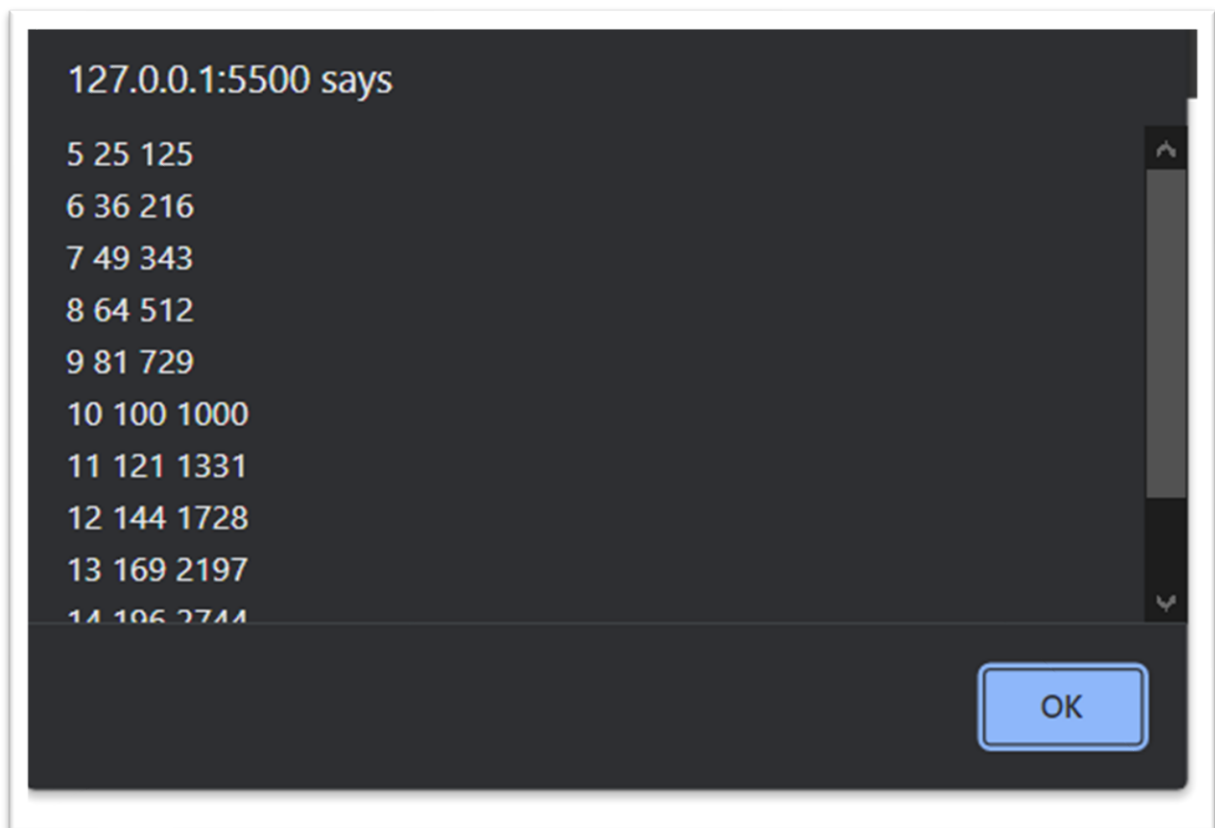
Code :

```
<html lang="en">
<head>
    <title>Print a table of numbers from 5 to 15 and their squares and cubes
    using alert.</title>

</head>
<body>
<input type="button" id="btn_alert" value="Alert The Table" />

<div id="results"></div>
<script>
    document.getElementById("btn_alert").addEventListener("click",alertIt);
    function alertIt(){
        var result = "";
        for(var i = 5;i<15;i++){
            result+= i + " "+i*i+" "+i*i*i +"\n";
        }
        alert(result);
    }
</script>
</body>
</html>
```

Output:



Experiment 2

Name of the Experiment:

Print the largest of three numbers.

Objective of the program:

The main objective of the experiment is to Print the largest of three numbers

Text Editor: VS code

Browser: Google chrome

Code :

```
<html lang="en">
  <head>
    <title>Print the largest of three numbers</title>
  </head>
  <body>
    <input type="number" id="number1" value="" placeholder="Enter first number" />
    <input type="number" id="number2" value="" placeholder="Enter second number" />
    <input type="number" id="number3" value="" placeholder="Enter third number" />
    <input type="button" id="btn_compare" value="Compare" />
    <script>
      document.getElementById("btn_compare").addEventListener("click", compare);
      function compare() {

        let largest;
        var x = parseFloat(document.getElementById("number1").value);
        var y = parseFloat(document.getElementById("number2").value);
        var z = parseFloat(document.getElementById("number3").value);

        if (x > y && x > z) largest = x;
        else if (z > x && z > y) largest = z;
        else largest = y;
        alert(largest);
      }
    </script>
  </body>
</html>
```

Output:

45	34	5	Compe	45	OK
----	----	---	-------	----	----

45	34	55	Compe	55	OK
----	----	----	-------	----	----

Experiment 3

Name of the Experiment:

Find the factorial of a number n.

Objective of the program:

The main objective of the experiment is to Find the factorial of a number n.

Text Editor: VS code

Browser: Google chrome

Code :

```
<html lang="en">
<head>
  <title>Find the factorial of a number n</title>
</head>
<body>

  <input type="number" id="num" value="" placeholder="Enter a number" />
  <p id="para"></p>
  <input type="button" id="btn_fact" value="Factorial" />
  <script>
    document.getElementById("btn_fact").addEventListener("click", fact);
    function fact(){
      var num = parseInt(document.getElementById("num").value);
      var res =1;
      for(var i =num;i>0;i--){
        res *=i;
      }
      document.getElementById("para").innerHTML="Factorial is : "+res;
    }
  </script>
</body>
</html>
```

Output:

4

Factorial is : 24

Factorial

Experiment 4

Name of the Experiment:

Enter a list of positive numbers terminated by Zero. Find the sum and average of these numbers.

Objective of the program:

The main objective of the experiment is to Enter a list of positive numbers terminated by Zero. Find the sum and average of these numbers.

Text Editor: VS code

Browser: Google chrome

Code :

```
<html lang="en">
<head>
  <title>Enter a list of positive numbers terminated by Zero. Find the sum and average
of these
numbers.</title>
</head>
<body>
  <input type="number" id="num" value="" placeholder="Enter length" />
  <input type="button" id="btn_calc" value="Calculate" />
  <p id="para"></p>
</body>
<script>
  document.getElementById("btn_calc").addEventListener("click",cal);
  function cal(){
    var k=0;s=0;
    var n = parseInt(document.getElementById("num").value);
    for(var i=10;i<n;i+=10){
      k++
      s+=i;
      avg = s/k;
    }
    document.getElementById("para").innerHTML="Sum is "+s+" and average is "+avg;
  }
</script>
</html>
```

Output:

Sum is 450 and average is 50

Experiment 5

Name of the Experiment:

A person deposits Rs 1000 in a fixed account yielding 5% interest. Compute the amount in the account at the end of each year for n years.

Objective of the program:

The main objective of the experiment is to A person deposits Rs 1000 in a fixed account yielding 5% interest. Compute the amount in the account at the end of each year for n years.

Text Editor: VS code

Browser: Google chrome

Code :

```
<html lang="en">
<head>
  <title>A person deposits Rs 1000 in a fixed account yielding 5% interest.
  Compute the amount in the
  account at the end of each year for n years.</title>
</head>
<body>
  <input type="number" id="num" value="placeholder="Enter year" />
  <input type="button" id="btn_calc" value="Calculate" />
  <p id="para"></p>
  <script>
    document.getElementById("btn_calc").addEventListener("click",cal);
    function cal(){
      var amount=1000,rate=5,total=0;
      var n = parseInt(document.getElementById("num").value);
      total=amount+amount*(rate/100)*n;
      document.getElementById("para").innerHTML="Total amount will be "+total;
    }

  </script>
</body>
</html>
```

Output:

5	Calculate
Total amount will be 1250	

Experiment 6

Name of the Experiment:

Read n numbers. Count the number of negative numbers, positive numbers and zeros in the list.

Objective of the program:

The main objective of the experiment is to Read n numbers. Count the number of negative numbers, positive numbers and zeros in the list.

Text Editor: VS code

Browser: Google chrome

Code :

```
<head>
  <title>Read n numbers. Count the number of negative numbers, positive numbers
and zeros in the list.</title>
</head>
<body>
  <input type="text" id="num" value="" placeholder="Enter number list" />
  <input type="button" id="btn_calc" value="Calculate" />
  <p id="para"></p>
  <script>
    document.getElementById("btn_calc").addEventListener("click",cal);
    function cal(){
      var n = document.getElementById("num").value;
      var ns=n.split(',');
      var positive =0,negative=0,zeros=0;
      ns.forEach(i => {
        if(i==0){
          zeros++;
        }else if(i>0){
          positive++;
        }else{
          negative++;
        }
      });
      document.getElementById("para").innerHTML="Positive numbers: "+positive+
", Negative numbers: "+negative+", Zeros: "+zeros;
    }
  </script>
</body>
</html>
```

Output:

1,34,0,-3,-4,34,4

Calculate

Positive numbers: 4, Negative numbers: 2, Zeros: 1