1. Course Contents – Full Stack Development Laboratory Programs List

10	Write a PHP program using COOKIE to store the current date and time and on reopening the same web page display the "Last visited date and time".	
11	Write a PHP program to demonstrate the use of SESSIONS to increment a count on each page refresh, and display the same on the web page.	
12	Create a React Application to display the message "Developing using ReactJS, Graphic Era University".	

Full Stack Development Laboratory Programs

5. Write a JavaScript function called "MaxandMinofArray" that accepts an array of integers as a parameter and displays the largest and smallest number in the array. Test the function with different inputs. Embed the JavaScript function within the XHTML document.

Program 5:

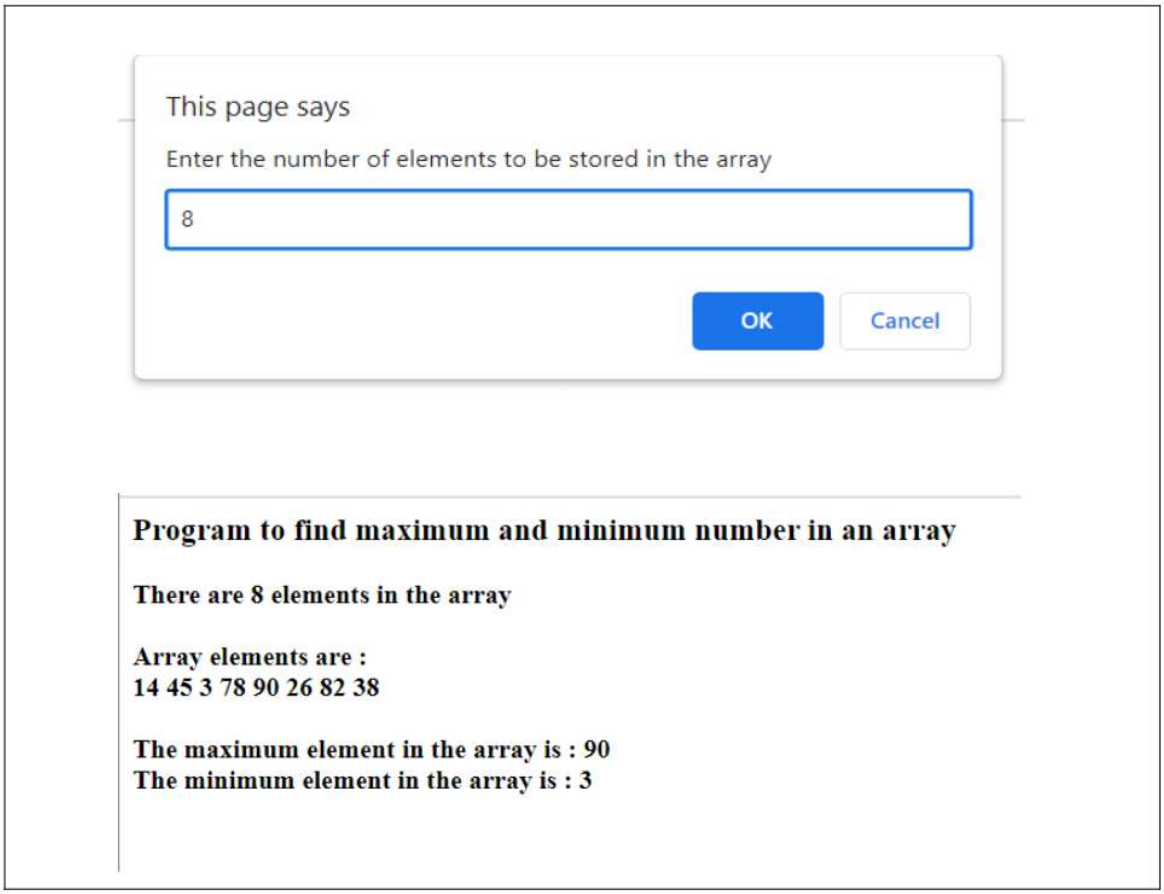
"prg5-MaxMin.html"

```
<?xml version="1.0" encoding="utf-8" ?>
<!DOCTYPE html>
<html>
<head>
   <script type="text/javascript" >
    function MaxandMinofArray(ary)
    {
      var amax = ary[0];
     var amin = amax;
     for(var i=1;i < ary.length; i++)
      {
          if ( ary[i] < amin )
          {
              amin = ary[i];
          }
          if ( ary[i] >  amax )
          {
               amax = ary[i];
          }
     }
   document.writeln("<br/><br/><b>The maximum element in the array
is : ",
                    amax );
   document.writeln("<br/><b>The minimum element in the array is  :
",
```

```
                    amin);
   }
   </script>
</head>

<body>

<h3> Program to find maximum and minimum  number in an array </h3>

<script language="javascript">
  var ary = new Array();
  var x;
  do
  {
    n=prompt("Enter the number of elements to be stored in the
array","");
    if (n <= 0)
        alert("Invalid Input");
  }while(n<=0);

  i = 0 ;
  for (i=0; i<n ; i++)
  {
     x = prompt("Enter the element","");
     ary[i] = parseInt(x);
  }

 document.write("<b> There are ", n, " elements in the array
<br/><br/>");

 document.write("<b> Array elements are : <br/>");
 for (i=0;i<n; i++)
     document.writeln("<b>", ary[i], " ");
   MaxandMinofArray(ary);           //function call
  </script>
</body>
```

```
</html>
```

Program 5 - Output:



6. Write a JavaScript function called "SumofDigits" that accepts a number as a parameter and returns the sum of all digits of that number. Test the function with different inputs. Write the JavaScript function in a separate .js file.

Program 6:

"prg6-SumofDigits.html"

```
<?xml version="1.0" encoding="utf-8" ?>
<!DOCTYPE html>
<html>
<head>
   <script type="text/javascript" src="prg6-SumofDigits.js" >
   </script>
</head>
<body>
  <h3> Program to find Sum of Digits of a Number </h3>
    <script language="javascript">
        var n=0;
       var sumnum=0;
      /* Enter a valid number */
        do
        {
         n=parseInt(prompt("Enter the number ","0"));
         if (n <= 0)
            alert("Invalid Input");

        }while(n<=0);
       document.write("<br/ > <b>The entered number is ", n);
     /* Function call and storing the returned value in the variable sumnum */
      sumnum = SumofDigits(n);
       document.writeln("<br/><br/> Sum of digits of the number ",
```

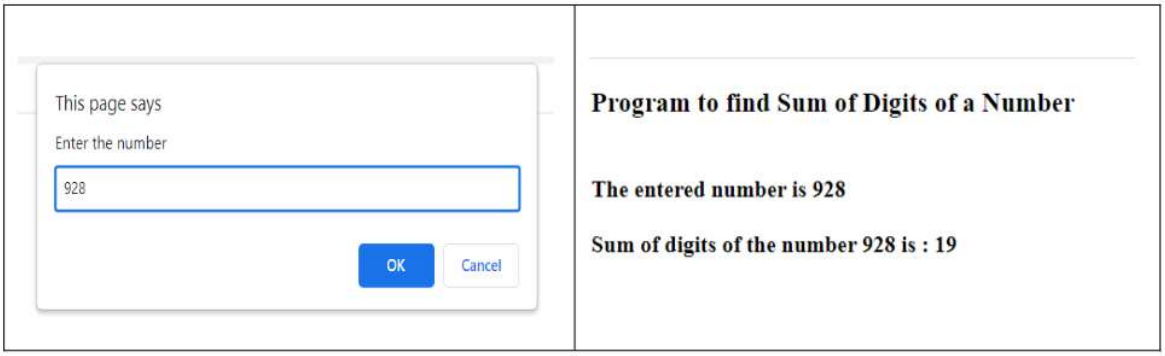
```
n,
                          " is : ",sumnum);
  </script>
</body>
</html>
```

"prg6-SumofDigits.js"

```
 function SumofDigits(num)
 {
    var temp = num;
    var nsum = 0;
    var rem = 0;

    while (num > 0)                    // while num not equal to 0
    {
        rem = num % 10;                // remainder = number
modulus 10
        nsum = nsum + rem;             // add remainder to nsum
        num = parseInt(num / 10);      // divide number by 10

    }
   return nsum;
}
```

Program 6 – Output :

Output 1:



Output 2: