EXPERIMENT- 3

AIM: To write a JavaScript function that reads unordered numbers & display them in ascending order using Bubble sort.

PROGRAM:

```
<html> <head> <title> JavaScript Arrays </title>

<script type="text/javascript">

        function fun(){

                var n=parseInt(window.prompt("Enter the size of the array:",'0'));

                var arr=new Array(n);

                for(var i=0;i<n;i++)

                        arr[i]=parseInt(window.prompt("Enter element "+(i+1)+" : "));

                document.writeln("<h2>Array Before Sorting:</h2>");

                for(var i=0;i<n;i++)

                        document.write("<b>"+arr[i]+"   </b>");

                for(i=0; i<n-1; i++){
                        for(j=0; j<n-1-i; j++){
                                if(arr[j]>arr[j+1]){
                                        temp=arr[j];
                                         arr[j]=arr[j+1];
                                         arr[j+1]=temp;
                                        }
                                }
                        }
                document.writeln("<h2>Array after Sorting:</h2>");

                for(var i=0;i<n;i++)

                        document.write("<b>"+arr[i]+"   </b>");
```
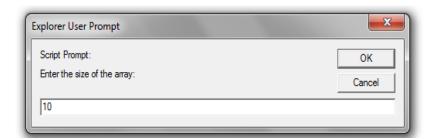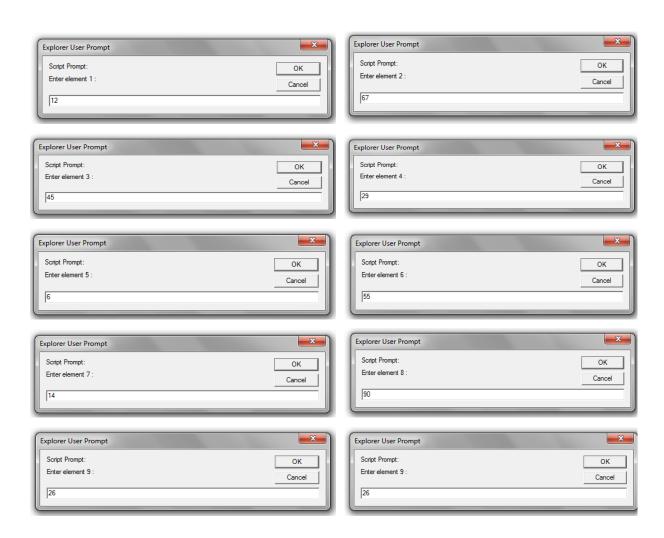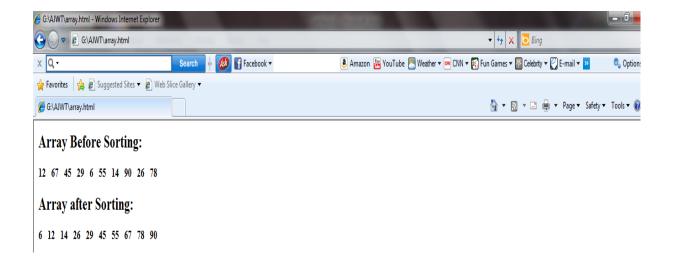
```
                }

</script>  </head>

<body onload="fun()">  </body>

</html>
```

OUTPUT:

Array Before Sorting:

12 67 45 29 6 55 14 90 26 78

Array after Sorting:

6 12 14 26 29 45 55 67 78 90

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