

//===== EVENODD.HTML =====

```
<!doctype html>
<html lang="en">
<body>
<form>
  <h1>Please enter data</h1>
  <input id="Number" type="number" />
  <input type="button" value="Save" onclick="insert(Number)" />
  <input type="button" value="Show data" onclick="show()" />
  <input type="button" value="Sort" onclick="oddEvenSorting()" />
</form>
<div id="display"></div>
<script>
```

```
var list=new Array();
```

```
function insert( Number ) {
  list.push( Number.value );
  console.log( list.join(", ") );
}
```

```
function show() {
  var string="<b>All Elements of the Array :</b><br>";
  for(i = 0; i < list.length; i++) {
    string =string+list[i]+"<br>";
  }
  if(list.length > 0)
  document.getElementById('display').innerHTML = string;
}
```

```
function oddEvenSorting() {
  var n = list.length;
  var sorted = false;
  while (!sorted) {
    sorted = true;
    for (var i = 1; i < (n - 1); i += 2) {
      if (list[i] > list[i + 1]) {
        var temp=list[i]
        list[i] = list[i+1]
        list[i+1]=temp;
        if (sorted) sorted = false;
      }
    }
  }

  for (var i = 0; i < (n - 1); i += 2) {
```

```
        if (list[i] > list[i + 1]) {
            var temp=list[i]
            list[i] = list[i+1]
            list[i+1]=temp;
            if (sorted) sorted = false;
        }
    }
}

var string="<b>All Elements of the Array :</b><br>";
for(i = 0; i < list.length; i++) {
    string =string+list[i]+"<br>";
}
if(list.length > 0)
document.getElementById('display').innerHTML = string;
}

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