Problem Solving on Loop Assignment Solution







ASSIGNMENTS

1. Write a javascript program to print below pattern having numbers in pyramid form along with its mirror image

```
1 2 3 4 5 6 7
2 3 4 5 6 7
3 4 5 6 7
4 5 6 7
6 7
7
6 7
5 6 7
4 5 6 7
3 4 5 6 7
2 3 4 5 6 7
1 2 3 4 5 6 7
```

Solution -> https://jsfiddle.net/j4kaw7hn/



2. Write a program to find the second smallest number from array using loops concept Input -> [11,34,54,22,13,78]
Output -> 13

Solution -> https://jsfiddle.net/m1dvxr5a/

```
function secondSmallest(arr) {
  var first, second, arr_size = arr.length;
 if (arr_size < 2) {
   console.log(" Invalid Input ");
   return;
  first = second = Number.MAX_SAFE_INTEGER;
  for (i = 0; i < arr_size; i++) {
    if (arr[i] < first) {</pre>
     second = first;
      first = arr[i];
    } else if (arr[i] < second && arr[i] != first)</pre>
      second = arr[i];
  if (second == Number.MAX_SAFE_INTEGER)
    console.log("There is no second" +
      "smallest element");
  else
    console.log("Second Smallest element is " + second);
}
var arr = [10, 13, 11, 22, 24, 15];
secondSmallest(arr);
```