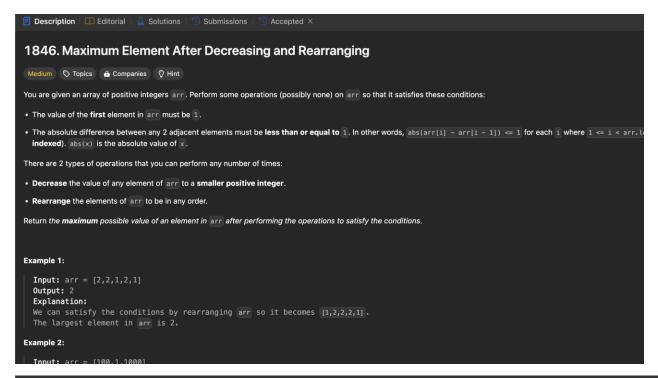
MCS – 253P ADVANCED PROGRAMMING AND PROBLEM SOLVING

LAB 7 Program (Maximum Element After Decreasing and Rearranging)

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Question:)



Code:

```
class Solution {
  public:
    int maximumElementAfterDecrementingAndRearranging(vector<int>& arr) {
      int desiredNumber=1;
      sort(arr.begin(),arr.end());
      arr[0]=1;
      for(int i=1;i<arr.size();i++){
         if(arr[i]-arr[i-1]<=1)continue;
         arr[i]=arr[i-1]+1;
    }
    return arr[arr.size()-1];
}

13 };</pre>
```

Output:

