

Engineering Animuthyam

Java DSA – Course Part -12

Leetcode problems

Course Link:

<https://www.youtube.com/playlist?list=PLjzLBp9HHZWWhVXBSPS1VqxXXDoVk07gd9>

Website Link:

<https://www.vigneshreddyjulakanti.in/>

Hello machas, Bagunnara.

Leetcode Problems

2016. Maximum Difference Between Increasing Elements

<https://leetcode.com/problems/maximum-difference-between-increasing-elements/>

2078. Two Furthest Houses With Different Colors

<https://leetcode.com/problems/two-furthest-houses-with-different-colors/description/>

1299. Replace Elements with Greatest Element on Right Side

<https://leetcode.com/problems/replace-elements-with-greatest-element-on-right-side/description/>

Solution :

2016. Maximum Difference Between Increasing Elements

```
class Solution {  
    public int maximumDifference(int[] nums) {  
        int ans = -1;  
        int min = nums[0];  
        for (int i=1;i<nums.length;i++){  
            if(nums[i] > min){  
                ans = Math.max(ans, nums[i]-min);  
            }  
            min=Math.min(min,nums[i]);  
        }  
        return ans;  
    }  
}
```

2078. Two Furthest Houses With Different Colors

```
class Solution {  
    public int maxDistance(int[] colors) {  
        int l = 0;  
        int n = colors.length;  
        int r = n-1;  
        for(int i=0;i<n;i++){  
            if(colors[i]!=colors[n-1]){  
                r=i;  
                break;  
            }  
        }  
        for(int i=n-1;i>=0;i--){  
            if(colors[i]!=colors[0]){  
                l=i;  
                break;  
            }  
        }  
        int rightans= n-1-r;  
        int leftans= l;  
        return Math.max(rightans,leftans);  
    }  
}
```

1299. Replace Elements with Greatest Element on Right Side

```
class Solution {  
    public int[] replaceElements(int[] arr) {  
        int max = -1;  
        for(int i=arr.length-1;i>=0;i--){  
            int curr = arr[i];  
            arr[i] = max;  
            max = Math.max(max, curr);  
        }  
        return arr;  
    }  
}
```