

# Engineering Animuthyam

## Java DSA – Course Part - 29

### Sorting

Course Link:

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

Website Link:

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

Hello machas, Bagunnara

#### 561. Array Partition

<https://leetcode.com/problems/array-partition/>

#### 2144. Minimum Cost of Buying Candies With Discount

<https://leetcode.com/problems/minimum-cost-of-buying-candies-with-discount/description/>

561

```
class Solution {  
    public int arrayPairSum(int[] nums) {  
        Arrays.sort(nums);  
        int ans = 0;  
        for(int i=0;i<nums.length;i=i+2){  
            ans+=nums[i];  
        }  
        return ans;  
    }  
}
```

2144

```
class Solution {  
    public int minimumCost(int[] cost) {  
        int took = 0;  
        int ans = 0;  
        Arrays.sort(cost);  
        for(int i=cost.length-1;i>=0;i--){  
            if(took==2){  
                took = 0;  
            }else{  
                ans+=cost[i];  
                took++;  
            }  
        }  
        return ans;  
    }  
}
```