30 Days Leetcode Challenge - Day 9

public class leetday9

{

class Solution1 {

public int maxSubArray(int[] nums)

{

int n=nums.length;

int maxi=Integer.MIN\_VALUE;

int sum =0;

for(int i=0;i<n;i++)

{

sum = sum + nums[i];

if(sum>maxi)

{

maxi=sum;

}

if(sum<0)

{

sum=0;

}

}

return maxi;

}

}

class Solution2 {

public int maxProfit(int[] arr)

{

int mini = arr[0];

int profit = 0;

int n = arr.length;

for(int i=0;i<n;i++)

{

int cost = arr[i]-mini;

profit = Math.max(profit,cost);

mini = Math.min(mini,arr[i]);

}

return profit;

}

}

}