Q) Maximum SubArray.

Given an integer, find the subarray with largest sum and return the sum.

CODE:

```java
class Solution {
   public int maxSubArray(int[] nums) {
       int n = nums.length;
     long max = Long.MIN_VALUE;
     int sum = 0;
     for (int i = 0;i<n;i++){
         sum = sum + nums[i];

         if(sum>max){
             max = sum;
         }
         if (sum<0){
             sum = 0;
         }


     }
     return (int)max;
   }
}
```