Question: https://leetcode.com/problems/maximum-product-subarray/

See in order to get the max product it can either be a pos number multiplied to max product till a certain position or a negative number multiplied to min product till a certain position.

So find max and min till i-1th pos in order to get max sub array product.

Code:  
class Solution {

public int maxProduct(int[] nums) {

int max\_ending\_till\_here=1,min\_ending\_till\_here=1,max\_overall=Integer.MIN\_VALUE;

for(int e:nums){

int max,min;

//find max till ith position

max=Math.max(max\_ending\_till\_here\*e,min\_ending\_till\_here\*e);

max=Math.max(max,e);

//find min till that position

min=Math.min(max\_ending\_till\_here\*e,min\_ending\_till\_here\*e);

min=Math.min(e,min);

max\_ending\_till\_here=max;

min\_ending\_till\_here=min;

max\_overall=Math.max(max\_ending\_till\_here,max\_overall);

}

return max\_overall;

}

}

Github Link :<https://lnkd.in/ecwtJeaz>