Day 53 coding Statement : Given an integer array of size N. Write Program to find maximum product subarray in a given array.

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Sample input 1:
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```
4
2 -4 -1 -3
Sample output 1:
8 = {2, -4, -1}
Sample input 2:
5
1 5 -7 5 3
Sample output 2:
15 = {5, 3}
```

```
import java.util.Scanner;
public class RatanPrajapati_day53 {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int size = sc.nextInt();
        int[] arr = new int[size];
        for (int i = 0; i < size; i++) {
            arr[i] = sc.nextInt();
        int ans = arr[0];
        for (int i = 0; i < size; i++) {
            int prod = arr[i];
            for (int j = i + 1; j < size; j++) {</pre>
                ans = Math.max(ans, prod);
                prod = prod * arr[j];
            ans = Math.max(ans, prod);
        System.out.println(ans);
```