Assignment 3

Topic:-Array

Prerequisite :- Array and Math

Tutorial :-
https://www.geeksforgeeks.org/array-data-structure/
https://guide.freecodecamp.org/
https://www.hackerearth.com/practice/data-structures/arrays/1-d/tutorial/

Q 5 **Given an unsorted array of integers, find the sum of longest Continuous increasing Subsequence.**

Input format:-

- n denoting size of an array.

- Array of integers of size n.

Output format:-

Single integer which is the sum of longest continuous increasing subarray.

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Constraint:-

1<N<10^6
1<A[i]<10^9

Example:

Input:

n=5

[1,4,6,5 7]

Output:

11

Input:-

n=14

[1,1,1,1,1,1,2,5,4,4,5,6,7,8]

Output:-

30

Explain:-

Longest continuous increasing subsequence 4,5,6,7,8

Input:-

n=6

[4,5,6,1,2,3]

Output:-

15

Q.6 Given an array of size N. Find two elements from the array whose product is maximum.

Input:

- n denoting size of an array(assume it to be even value).
- Array of integers of size n.

Output:

- Max product of two elements.

Constraint:-

1<N<10^6
1<A[i]<10^9 .

Sample Test Case 1:

Input:

6

2 7 1 3 4 5

Output:

35

Sample Test Case 2:

Input:

4

9 8 7 10

Output:

90

Note :- Sorting is not allowed.