**Maximum sum increasing subsequence :-**

Given an array **arr** of **N** positive integers, the task is to find the **maximum sum increasing subsequence** of the given array.

**Example 1:**

**Input**: N = 5, arr[] = {1, 101, 2, 3, 100}

**Output:** 106

**Explanation**:The maximum sum of a

increasing sequence is obtained from

{1, 2, 3, 100}

**Example 2:**

**Input**: N = 3, arr[] = {1, 2, 3}

**Output:** 6

**Explanation**:The maximum sum of a

increasing sequence is obtained from

{1, 2, 3}

**Your Task:**  
You don't need to read input or print anything. Complete the function **maxSumIS()**which takes **N**and array **arr**as input parameters and returns the maximum value.

**Expected Time Complexity:** O(**N2**)  
**Expected Auxiliary Space:** O(**N**)  
  
**Constraints:**  
1 ≤ N ≤ 103  
1 ≤ arr[i] ≤ 105