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| **Code test 1**  **Sliding Window Largest Number**  Given a sliding window of size K from a array of size N (N >= K), the program must print the maximum of the K numbers present for all possible sliding windows.  **Input Format:** The first line will contain the value of K The second line will contain the value of N The third line will contain N values separated by a space.  **Output Format:** The maximum of the numbers in each sliding window.  **Constraints:** 1 <= N <= 1000 1 <= K <= 1000 K <= N  **Example Input/Output 1:** Input: 3 9 3 2 7 6 5 1 2 3 4  Output: 7 7 7 6 5 3 4  Explanation: The sliding windows (as K=3) are 3 2 7, 2 7 6, 7 6 5, 6 5 1, 5 1 2, 1 2 3, 2 3 4 The maximum values in these windows are 7 7 7 6 5 3 4  **Example Input/Output 2:** Input: 2 3 100 200 300  Output: 200 300  Explanation: The sliding windows are 100 200, 200 300 The maximum values in these windows are 200 300 |
| Duration in Mins | **120** |

**Code Test 2**

**Squares Between A and B**

Given two numbers A and B, the program must find the square numbers which lie between A and B(inclusive) and print them as output.

**Input Format:**  
The first line will contain A  
The second line will contain B

**Output Format:**  
The square numbers which lie between A and B separated by a comma

**Constraints:**  
1 <= A <= 1000000  
1 <= B <= 1000000  
A <= B

**Example Input/Output 1:**  
Input:  
18  
100

Output:  
25,36,49,64,81,100

**Example Input/Output 2:**  
Input:  
1  
1

Output:  
1