Given an array of numbers and a window of size k. Print the maximum of numbers inside the window for each step as the window moves from the beginning of the array.

INPUT :

Enter the array size : 8

Enter the elements : 1,3,5,2,1,8,6,9

Enter the window size : 3

OUTPUT :

5 5 5 8 8 9

#include<stdio.h>

void printKMax(int arr[], int n, int k)

{

int i,j, max;

for (i = 0; i <= n-k; i++)

{

max = arr[i];

for (j = 1; j < k; j++)

{

if (arr[i+j] > max)

max = arr[i+j];

}

printf("%d ", max);

}

}

int main()

{

int arr[] = {1,2,3,4,5,6,7,8,9,10};

int n = sizeof(arr)/sizeof(arr[0]);

int k = 3;

printKMax(arr, n, k);

return 0;

}