#include <iostream>

#include<conio.h>

 int insertion\_array(int array[ ],int s,int pos,int val)

 {

 for (int i=s; i>=pos; i--)

 {

 array[i+1] = array[i];

 }

 array[pos] = val;

 s++;

 return s;

 }

 int main()

 {

 int size,value,position;

 int arr[21];

 std::cout<<" Enter the no of elements you want in the array (max 20) : ";

 std::cin>>size;

 for (int i=0; i<size; i++)

 {

 std::cout<<" \n Element "<<i<<" : ";

 std::cin>>arr[i];

 }

 std::cout<<"\n Enter the position where you want to insert the value : ";

 std::cin>>position;

 std::cout<<"\n Enter the value to insert at the "<<position<<" : ";

 std::cin>>value;

 size = insertion\_array(arr,size,position,value);

 std::cout<<" \Insertion successfull !!! , the new array is as follows ";

 for (int i=0; i<size; i++)

 {

 std::cout<<"\n Element "<<i<<" : "<<arr[i];

 }

 getch();

 return 0;

 }

 Output:-