#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:-