**//Inserting new value at selected index (location)**

**#include<iostream>**

**using namespace std;**

**int myarray[100];**

**int n, i, k, x, value;**

**int main()**

**{**

**cout<<"How many values ";**

**cin>>n;**

**cout<<"Enter values";**

**for(i=0; i<n; i++)**

**{**

**cin>>x;**

**myarray[i]=x;**

**}**

**cout<<"\nIndicate index for insertion ";**

**cin>>k;**

**cout<<"Enter value to Insert ";**

**cin>>value;**

**//shift values starting from the top: Remember top value is at n-1 location**

**for(i=n-1; i>=k; i-- )**

**myarray[i+1]=myarray[i];**

**//insert value now**

**myarray[k]=value;**

**n++;**

**cout<<"\nnew list"<<endl;**

**for(i=0; i<n; i++)**

**cout<<myarray[i]<<" ";**

**return 0;**

**}**