

```
#include<iostream.h>
#include<conio.h>
void main()
{
    clrscr();
    int a[100] , pos, c , n , value;

    cout<<"Enter the number of elements in array\n";
    cin>>n;
    cout<<"enter the elements of an array\n";
    for (c = 0; c < n; c++)
        cin>>a[c];
    cout<<"Enter the location where you wish to insert an element\n";
    cin>>pos;
    cout<<"Enter the value to insert\n";
    cin>>value;
    for (c = n - 1; c >= pos - 1; c--)
        a[c+1] = a[c];
    a[pos-1] = value;
    cout<<"Resultant array is\n";
    for (c = 0; c <= n; c++)
        cout<<" "<<a[c];
    getch();
}
```

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## OUTPUT

```
Enter the number of elements in array
6
enter the elements of an array
4
6
11
23
43
12
Enter the location where you wish to insert an element
4
Enter the value to insert
199
Resultant array is
4 6 11 199 23 43 12_
```