

EXPERIMENT 11

①

```
#include <iostream>
using namespace std;
int main()
{
    int n, pos, new_value;
    cout << "Enter no. of elements: ";
    cin >> n;
    int arr[100];
    cout << "Enter " << n << " elements: ";
    for (int i=0; i<n; i++)
        cin >> arr[i];
    cout << "Enter position to modify element to "
        << n << endl;
    cin >> pos;
    if (pos < 1 || pos > n)
    {
        cout << "Invalid position!";
        return 0;
    }
    cout << "Array after modification: ";
    for (int i=0; i<n; i++)
        cout << arr[i] << " ";
    return 0;
}
```

Output : A : 5

10 20 30 40 50

Position & new value : 3 99 10 20 99
40 50

② #include <iostream>
 using namespace std;
 int main()
 {
 int n, s, a[50];
 cout << "Enter n: "; cin >> n;
 for (int i = 0; i < n; i++)
 cin >> a[i];
 cout << "Enter scalar value: ";
 cin >> s;
 for (int i = 0; i < n; i++)
 a[i] *= s;
 for (int i = 0; i < n; i++)
 cout << a[i] << " ";
 }

Output: Enter n: 5

1 2 3 4 5

Enter scalar value: 3

3 6 9 12 15

③ #include <iostream>
~~#include <vector>~~
 using namespace std;
 int main()
 {

vector<int> v = {10, 20, 30};

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

{

cout << v[i];

if (i == v.size() - 1) cout << ", "

{}

Output: 10, 20, 30 x — x — x

Qn
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