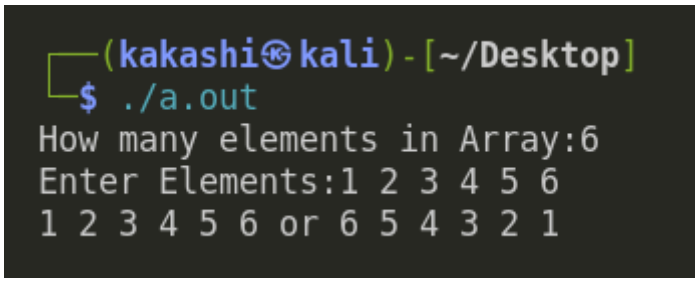
1. Traverse the array and print the elements in all possible order.

```
#include <iostream>
using namespace std;
int main() {
int i,n;
cout<<"How many elements in Array:";
cin>>n;

int a[n];
cout<<"Enter Elements:";

for(i=0;i<n;i++)
{
cin>>a[i];
}

for(i=0;i<n;i++)
{
cout<<a[i]<<" ";
}

cout<<"or"<<" ";

for(i=n-1;i>=0;i--)
{
cout<<a[i]<<" ";
}
return 0;
}
```

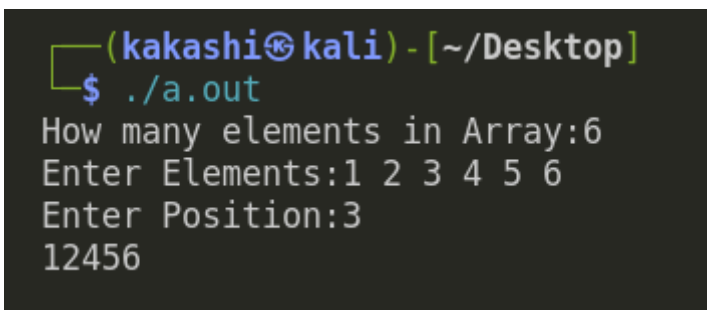
:output



2. Delete the element of specified position in the array

```
#include<iostream>
using namespace std;
int main()
{
int n,i,p;
cout<<"How many elements in Array:";
cin>>n;
int a[n];
cout<<"Enter Elements:"<<ends;

for(i=0;i<n;i++)
{
cin>>a[i];
}

cout<<"Enter Position:";
cin>>p;
p=p-1;

for(i=0;i<n;i++)
{
if(i==p)
{}
else if(p<n)
{ a[i]; }
else { cout<<"Invalid Position";
exit(0);
}
}
n--;
for(i=p;i<n;i++)
{
a[i]=a[i+1];
}
for(i=0;i<n;i++)
{
cout<<a[i]<<ends;
}
return 0;
}
```

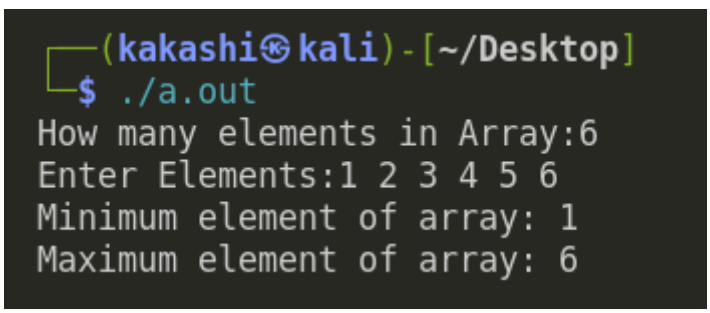
:output



3. Print the minimum number and the maximum number of the array.

```
#include<iostream>
using namespace std;

int getMin(int arr[], int n)
{
int res = arr[0];
for (int i = 1; i < n; i++)
res = min(res, arr[i]);
return res;
}

int getMax(int arr[], int n)
{
int res = arr[0];
for (int i = 1; i < n; i++)
res = max(res, arr[i]);
return res;
}

int main()
{
int c,i;
cout<<"How many elements in Array:";
cin>>c;
int arr[c];

cout<<"Enter Elements:";
for(i=0;i<c;i++)
{
cin>>arr[i];
}


int n = sizeof(arr) / sizeof(arr[0]);
cout << "Minimum element of array: " << getMin(arr, n)
<< "\n";
cout << "Maximum element of array: " << getMax(arr, n);
return 0;
}
```

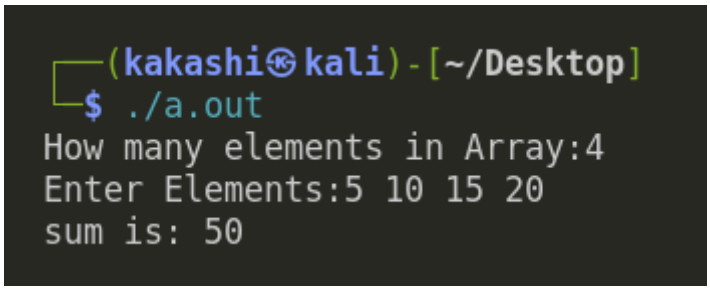
:output



4. Sum the array elements and print the result.

```
#include<iostream>
using namespace std;
int main()
{
int n,i,sum=0;
cout<<"How many elements in Array:";
cin>>n;
int a[n];
cout<<"Enter Elements:";
for(i=0;i<n;i++)
{
cin>>a[i];
}
for(i=0;i<n;i++)
{
sum=sum+a[i];
}
cout<<"sum is:"<<" "<<sum;
return 0;
}
```

:output



**5. Insert an element at the last position(consider that the array is not full and we can
still insert an element in the array.**

```
#include<iostream>
using namespace std;
int main()
{

int n,i;
cout<<"How many elements in Array:";
cin>>n;
int a[n];
cout<<"Enter Elements:";

for(i=0;i<n-1;i++)
{
cin>>a[i];
}

cout<<"Enter Last Element";
cin>>a[n-1];

for(i=0;i<n;i++)
{
cout<<a[i]<<ends;
}

return 0;
}
```

:output