# C++ Passing Array to Function

In C++, to reuse the array logic, we can create function. To pass array to function in C++, we need to provide only array name.

> functionname(arrayname); //passing array to function

## C++ Passing Array to Function Example: print array elements

Let's see an example of C++ function which prints the array elements.

```cpp
#include <iostream>
using namespace std;
void printArray(int arr[5]);
int main()
{
    int arr1[5] = { 10, 20, 30, 40, 50 };
    int arr2[5] = { 5, 15, 25, 35, 45 };
    printArray(arr1); //passing array to function
    printArray(arr2);
}
void printArray(int arr[5])
{
   cout << "Printing array elements:"<< endl;
   for (int i = 0; i < 5; i++)
   {
        cout<<arr[i]<<"\n";
   }
}
```

Output:

```
Printing array elements:
10
20
30
40
50
Printing array elements:
5
```
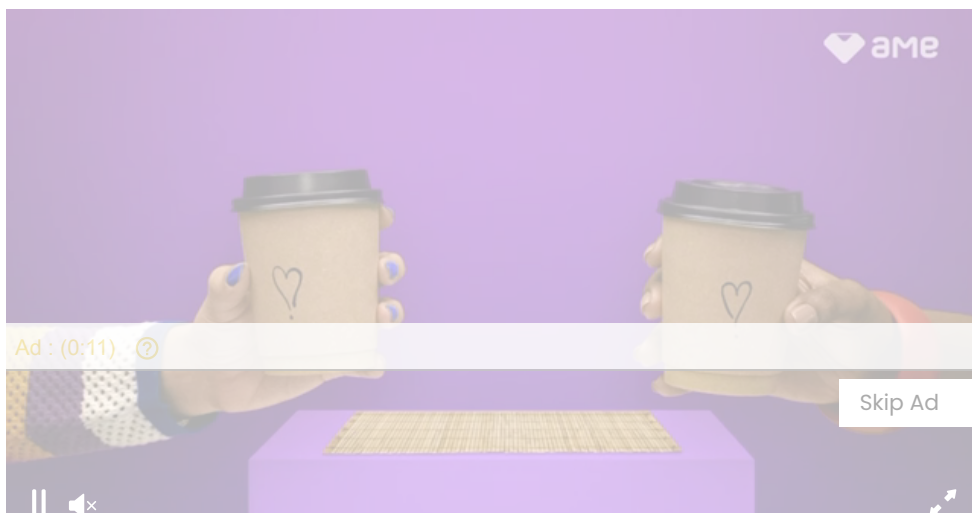
```
15
25
35
45
```

## C++ Passing Array to Function Example: Print minimum number

Let's see an example of C++ array which prints minimum number in an array using function.

```cpp
#include <iostream>
using namespace std;
void  printMin(int arr[5]);
int main()
{
   int arr1[5] = { 30, 10, 20, 40, 50 };
      int arr2[5] = { 5, 15, 25, 35, 45 };
      printMin(arr1);//passing array to function
       printMin(arr2);
```

```cpp
}
void  printMin(int arr[5])
{
    int min = arr[0];
        for (int i = 0; i > 5; i++)
        {
            if (min > arr[i])
            {
                min = arr[i];
            }
        }
        cout<< "Minimum element is: "<< min <<"\n";
}
```

Output:

```
Minimum element is: 10
Minimum element is: 5
```

## C++ Passing Array to Function Example: Print maximum number

Let's see an example of C++ array which prints maximum number in an array using function.

```cpp
#include <iostream>
using namespace std;
void  printMax(int arr[5]);
int main()
{
        int arr1[5] = { 25, 10, 54, 15, 40 };
        int arr2[5] = { 12, 23, 44, 67, 54 };
        printMax(arr1); //Passing array to function
         printMax(arr2);
}
void  printMax(int arr[5])
{
    int max = arr[0];
        for (int i = 0; i < 5; i++)
        {
            if (max < arr[i])
```

```
        {
            max = arr[i];
        }
    }
    cout<< "Maximum element is: "<< max <<"\n";
}
```

Output:

```
Maximum element is: 54
Maximum element is: 67
```

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