1.Count the number of elements strictly greater than x.
Solution:

main.cpp

```cpp
#include <iostream>
using namespace std;
int main() {
int x;
cin>>x;
int arr[5];
cout << "Enter elements of  the array : ";
for(int i=0;i<5;i++){
    cin>>arr[i];
}
int count=0;
for(int i=0;i<5;i++){
if(arr[i]>x){
    count++;
}
}
cout<<count<<endl;
}
```

Output

```
/tmp/XtkXNQNlnD.o
5
Enter elements of  the array : 2 6 4 6 4
2


=== Code Execution Successful ===
```

2.WAP to find the largest three elements in the array.
Solution:

main.cpp

```cpp
#include <iostream>
#include<climits>
using namespace std;
int main() {
int arr[5]={10,3,1,21,3};

int max, s_max, t_max;
t_max = max = s_max = INT_MIN;
for(int i = 0; i < 5; i++){
if (arr[i] > max){
t_max = s_max;
s_max = max;
max = arr[i];
}
else if (arr[i] > s_max ){
t_max = s_max;
s_max = arr[i];
}
else if (arr[i] > t_max  )
t_max = arr[i];
}
cout<<endl<<max<<endl<<s_max<<endl<<t_max;
}
```

Output

```
/tmp/cve04Gt2SM.o

21
10
3

=== Code Execution Successful ===
```

3.Check if the given array is sorted or not
Solution:

main.cpp

```cpp
#include <iostream>
using namespace std;
int main() {
int arr[5]={1,2,2,4,7};
bool flag = true;
for (int i = 1; i < 5; i++){
    if (arr[i - 1] > arr[i]){
        flag = false;
    }
}
if(flag==true) cout<<"Sorted Array";
else cout<<"Unsorted Array";
}
```

Output

```
/tmp/5LyoUEPUSy.o
Sorted Array

=== Code Execution Successful ===
```

4.Find the difference between the sum of elements at even indices to the sum of elements at odd indices.

Solution:

main.cpp

```cpp
#include <iostream>
using namespace std;
int main() {
int arr[5]={7,2,32,5,20};
int even=0;
int odd =0;
for(int i=0;i<5;i++){
    if(i%2==0){
        even=even + arr[i];
    }
    else{
       odd=odd + arr[i];
    }
}
cout<<abs(even -odd);
}
```

Output

```
/tmp/twiqRjixWg.o
52

=== Code Execution Successful ===
```

5.Given an array of integers, change the value of all odd indexed elements to its second multiple and increment all even indexed values by 10.

Solution:

main.cpp

```cpp
#include <iostream>
using namespace std;
int main() {
int arr[5]={7,2,32,5,20};
    for(int i=0;i<5;i++){
        if(i%2==0){
           arr[i]+=10;
        }
        else {
            arr[i]=2*arr[i];
        }
        cout<<arr[i]<<" ";
    }
}
```

Output

```
/tmp/qh9XbbfSLs.o
17 4 42 10 30

=== Code Execution Successful ===
```

6. Find the unique number in a given Array where all the elements are being repeated twice with one value being unique.

Solution:

main.cpp

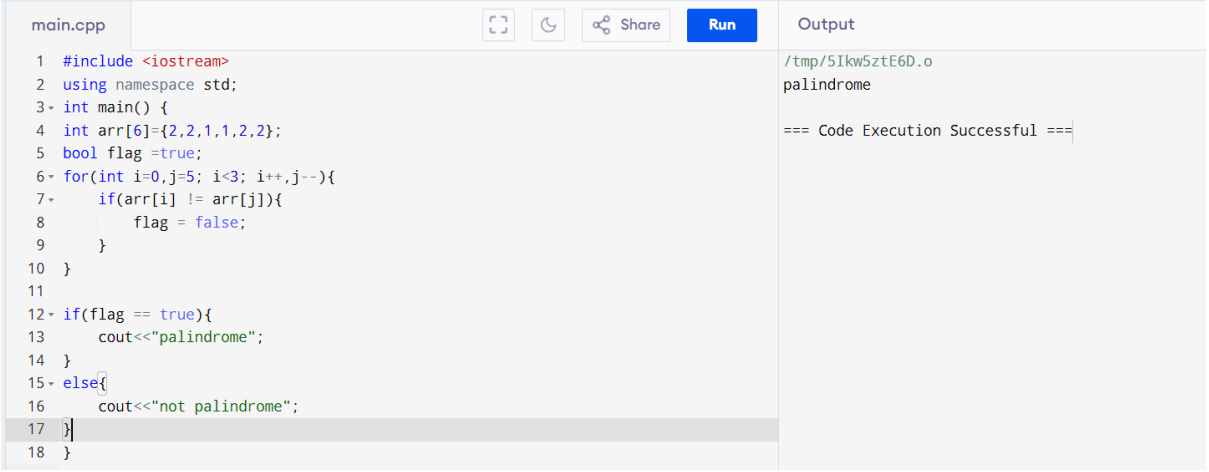
```cpp
#include <iostream>
using namespace std;
int main() {
int arr[5]={2,2,1,1,20};
for(int i=0;i<5;i++){
    int count=0;
    for(int j=0;j<5;j++){
        if(arr[i]==arr[j] && i!=j){
        count++;
        }
    }
    if(count==0){
    cout<<arr[i];
    return 0;
    }
}
cout<<"No unique value.";
}
```

Output

```
/tmp/SD6UNwG7k7.o
20

=== Code Execution Successful ===
```

7.If an array contains n elements, then check if the given array is a palindrome or not .
Solution:



8.Find the error.

```
double getAverage(int arr[], int size);
int main () {
int balance[5] = {1000, 2, 3, 17, 50};
double avg;
avg = getAverage( balance[0], 5 ) ;
cout << "Average value is: " << avg << endl;
return 0;
}
```

Solution:
This code have 2 error first the function i s not written and second i ma passing a integer to function but in function it is accepting a array.