```
Arr
ays-
2
Assi
gn
men
t
1Q)
Count
the
number
of
elements
strictly
greater
than x.
#include
<iostrea
m>
using
namespac
e std;
int
   int
n, x, c=0;
cout<<"E
nter
size: ";
int
arr[n];
cout<<"E
nter
elements
: ";
for(int
i=0;i<n;
i++){
cin>>arr
```

```
cout<<"E
nter
number:
II .
cin>>x;
cout<<en
for(int
i=0;i<n;
i++){
if(arr[i
]>x)
C++;
cout<<c;</pre>
2Q) WAP
to find
the
largest
three
elements
in the
array.
#include
<iostrea
m>
#include
<climits
>
using
namespac
e std;
int
   int
n, x, c=0;
cout<<"E
nter
size: ";
int
arr[n];
cout<<"E
nter
elements
: ";
```

```
for(int
i=0;i<n;
i++){
cin>>arr
int
max=INT_
MIN;
for(int
i=0;i<n;
i++){
   if
(arr[i]>
max)
max=arr[
int
smax=INT
_MIN;
for(int
i=0;i<n;
i++){
   if
(arr[i]!
=max &&
arr[i]>s
max)
smax=arr
int
tmax=INT
_MIN;
for(int
i=0;i<n;
i++){
if((arr[
i]!=smax
&&arr[i]
!=max)&&
arr[i]>t
max)
```

```
tmax=arr
[i];
}
cout<<ma
x<<endl<
<smax<<e
ndl<<tma
x;</pre>
```

3Q)Check if the given array is sorted or not

```
#include<iostream>
#include<climits>
using namespace
std;
int main(){
    int
n,x,c=0,f=1;
cout<<<"Enter size:</pre>
II .
int arr[n];
cout<<"Enter</pre>
elements: ";
for(int
i=0;i<n;i++){
    cin>>arr[i];
for(int
i=0;i<n;i++){
    for(int
j=i+1;j<n;i++){
if(arr[i]<arr[j]) {</pre>
             f=1;
        else {
             f=0;
             break;
```

```
if(f==1)
cout<<<"array is</pre>
sorted\n";
else cout<< "array</pre>
is not sorted\n";
4Q) Find the
difference between
the sum of elements
at even indices to
the sum of elements
at odd
Indices.
#include<iostream>
#include<climits>
using namespace
std;
int main(){
    int
n,x,s1=0,s2=0,diff=
cout<<"Enter size:</pre>
int arr[n];
cout<<"Enter</pre>
elements: ";
```

for(int

for(int

 $i=0;i<n;i++){$

i=0;i<n;i++){ if(i%2==0)

s1=s1+arr[i];
 else
s2=s2+arr[i];

diff=s1-s2;

cout<<endl<<diff;</pre>

cin>>arr[i];

5Q) 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.

```
#include<iostream>
using namespace
std;
int main(){
    int n,x;
cout<<<"Enter size:</pre>
II .
int arr[n];
cout<<<"Enter</pre>
elements: ";
for(int
i=0;i<n;i++){
    cin>>arr[i];
for(int
i=0;i<n;i++){
    if(i%2!=0)
arr[i]=2*arr[i];
    else
arr[i]=arr[i]+10;
cout<< "After</pre>
changes values: ";
for(int
i=0;i<n;i++){
    cout<<arr[i]<<"</pre>
```

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

#include<iostream>

```
using namespace
std;
int main(){
   int n,i=0;
    bool flag=true;
    cout<<"Enter</pre>
size: ";
    int arr[n];
    for(
i=0;i<n;i++){
cin>>arr[i];
    for(int
i=0;i<n;i++){
        flag=true;
        for(int
j=0;j<n;j++){
if(i==j) continue;
if(arr[i]==arr[j]){
flag=false;
break;
if(flag==true){
cout<<arr[i]<<endl;</pre>
```

7Q) If an array arr contains n elements, then check if the given array is a palindrome or not.

```
#include<iostream>
using namespace
std;
int main(){
    int n,i=0;
    bool flag=true;
    cout<<"Enter
size: ";</pre>
```

```
int arr[n];
    for(
i=0;i<n;i++){
cin>>arr[i];
    i=0;
    int j=n-1;
     while(i<j){</pre>
if(arr[i]!=arr[j]){
flag=false;
             break;
        i++;
        j--;
     if(flag==true)
cout<<"
palindrome";
     else
cout<<"not</pre>
palindrome";
```

8Q)Find the error.

```
double getAverage(int arr
int main () {
int balance[5] = {1000, 2
double avg;
avg = getAverage( balance
cout << "Average value is
return 0;
}</pre>
```

Sol) as the actual parmater is int data type and formal data type is address the don't match their type.