

## Palindromic Array

```
int PalinArray(int a[], int n)
{
    for(int i=0;i<n;i++){
        string s=to_string(a[i]);
        int m=s.length();
        int j=0;
        while(j<m){
            if(s[j]!=s[m-1])
                return 0;
            j++;
            m--;
        }
    }
    return 1;
}
```

## Median of 2 sorted arrays of equal size

```
int find_median(vector<int> v)
{
    sort(v.begin(),v.end());
    int len=v.size();
    if(len%2==0){
        int x=len/2;
        return ((v[x]+v[x-1])/2);
    }
    else
        return v[len/2];
}
```

## Median of 2 sorted arrays of different size

```
double findMedianSortedArrays(vector<int>& nums1, vector<int>& nums2) {
    vector<int>v;
    for(auto num:nums1)
        v.push_back(num);
    for(auto num:nums2)
        v.push_back(num);
}
```

```
sort(v.begin(),v.end());  
int n=v.size();  
  
return n%2?v[n/2]:(v[n/2-1]+v[n/2])/2.0;  
}
```