

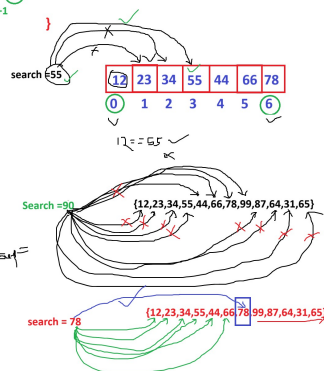
//Q-1 : Count Even and Odd Numbers

int numbers[] = {12,23,34,55,44,66,78};

o/p : Total even=5  
Total odd=2

12	23	34	55	44	66	78
0	1	2	3	4	5	6
+1	+1	+1	+1	+1	+1	

num=12  
if(num%2==0){  
}  
}else{  
}



numbers  
x[0]=12  
full

y[0]=x[0]  
y[1]=x[1]  
y[2]=x[2]  
y[3]=x[3]  
y[4]=x[4]  
Empty

```

int even=0;
int odd=0;
for(int index=0;index<6; index++){
    int num=x[index]; //x[0] 12
    if(num%2==0){
        even++;
    }else{
        odd++;
    }
}

int even=0; 1
int odd=0; 1
for(int index=0;p<6; index++){ 1
    int num=x[index]; //x[0] 12
    if(12%2==0){ //T
        even++;
    }else{
        odd++;
    }
}

int even=0; 1
int odd=0; 1
for(int index=1;i<6; index++){ 1 2
    int num=x[index]; //x[1] 23
    if(23%2==0){ //F
        even++;
    }else{
        odd++;
    }
}

int even=0; 1 2
int odd=0; 1
for(int index=2;2<6; index++){ 1 2 3
    int num=x[index]; //x[2] 34
    if(34%2==0){ //T
        even++;
    }else{
        odd++;
    }
}

int even=0; 1 2
int odd=0; 1 2
for(int index=3;3<6; index++){ 1 2 3 4
    int num=x[index]; //x[3] 55
    if(55%2==0){ //F
        even++;
    }else{
        odd++;
    }
}

int even=0; 1 2 3
int odd=0; 1 2
for(int index=4;4<6; index++){ 1 2 3 4 5
    int num=x[index]; //x[4] 44
    if(44%2==0){ //T
        even++;
    }else{
        odd++;
    }
}

int even=0; 1 2 3 4
int odd=0; 1 2
for(int index=5;5<6; index++){ 1 2 3 4 5 6
    int num=x[index]; //x[5] 66
    if(66%2==0){ //T
        even++;
    }else{
        odd++;
    }
}

int even=0; 1 2 3 4 5
int odd=0; 1 2
for(int index=6;6<6; index++){ 1 2 3 4 5 6 7
    int num=x[index]; //x[6] 78
    if(78%2==0){ //T
        even++;
    }else{
        odd++;
    }
}

int even=0; 1 2 3 4 5
int odd=0; 1 2
for(int index=7;7<6; index++){ 1 2 3 4 5 6 7
}

```

```

//count even and odd
#include <iostream>
using namespace std;

int main(){
    int x[]={12,23,34,55,44,66,78};
    int even=0,odd=0;

    for(int index=0;index<6;index++){
        int num=x[index];
        if(num%2==0){
            even++;
        }else{
            odd++;
        }
    }

    cout<<"Total Even : "<<even<<endl;
    cout<<"Total Odd : "<<odd<<endl;
    return 0;
}

```

```

//Count Positive ,Negative and Zero element
// int arr[]={10,-3,0,-4,-8,30,70,90};
//o/p:
//Total +ve : 4, Total -ve : 3, Total Zero : 1
#include <iostream>
using namespace std;

int main(){
    int arr[]={10,-3,0,-4,-8,30,70,90};

    int pos=0,nev=0,z=0;

    for(int index=0;index<7;index++){
        int num=arr[index];
        if(num>0){
            pos++;
        }else if(num<0){
            nev++;
        }else{
            z++;
        }
    }

    cout<<"Total Positive : "<<pos<<endl;
    cout<<"Total Negative : "<<nev<<endl;
    cout<<"Total Zero : "<<z<<endl;

    return 0;
}

```

```

//Search element present inside array
//int x[]={12,23,34,55,44,66,78};
//o/p : Yes or No

#include <iostream>
using namespace std;

int main(){
    int search;
    cout<<"Enter Search Element : "<<endl;
    cin>>search;//12

    int x[]={12,23,34,55,44,66,78,99,87,64,31,65};

    bool found=false;
    for(int index=0;index<11;index++){
        int num=x[index];
        if(num==search){//78==78
            found=true;
            break;
        }
    }

    if(found){
        cout<<"Yes"<<endl;
    }else{
        cout<<"No"<<endl;
    }

    return 0;
}

```

```

//copy one array to another array
#include <iostream>
using namespace std;

int main(){
    int x[]={12,23,34,55,44,66,78};
    //x array printing
    for(int i=0;i<6;i++){
        cout<<"x["<<i<<"]=" "<<x[i]<<endl;
    }

    cout<<"+++++++ Coping x[] to y[] ++++++"<<endl;

    int y[7];
    for(int i=0;i<6;i++){
        y[i]=x[i];
    }

    //y array printing
    for(int i=0;i<6;i++){
        cout<<"y["<<i<<"]=" "<<y[i]<<endl;
    }

    return 0;
}

```