

## **Array Problem 1:**

### **Minimum and Maximum:**

```
#include<stdio.h>

int main()
{
    int i,n, max, min;
    printf("Enter the size of the array: ");
    scanf("%d",&n);
    int arr[n];
    printf("Enter %d elements of array: ",n);
    for(i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }
    if(n%2==0){
        if(arr[0]>arr[1]){
            max=arr[0];
            min=arr[1];
        }
        else{
            max=arr[1];
            min=arr[0];
        }
    }
    i=2;
```

```
}else{
    min=arr[0];
    max=arr[0];
    i=1;
}
while(i<n-1){
    if(arr[i]>arr[i+1]){
        if(arr[i]>max)
            max=arr[i];
        if(arr[i+1]<min)
            min=arr[i+1];
    }else{
        if(arr[i+1]>max)
            max=arr[i+1];
        if(arr[i]<min)
            min=arr[i];
    }
    i=i+2;
}
printf("Maximun element: %d\n",max);
printf("Minimum element: %d\n",min);
return 0;
}
```