

1.

```
#include<stdio.h>
int main(){
    int n;
    printf("Enter size of array : ");
    scanf("%d",&n);
    int arr[n],i;
    printf("Input elements : ");
    for(i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }
    printf("Your array is : ");
    for(i=0;i<n;i++){
        printf("%d ",arr[i]);
    }
    return 0;
}
```

Input :

5
8 4 6 2 0

Output :

8 4 6 2 0

2.

```
#include<stdio.h>
int main(){
    int n;
    printf("Enter size of array : ");
    scanf("%d",&n);
    int arr[n],i;
    printf("Input elements : ");
    for(i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }
    printf("All negative elements are : ");
    for(i=0;i<n;i++){
        if(arr[i]<0){
            printf("%d ",arr[i]);
        }
    }
    return 0;
}
```

Input:

5

-8 5 -3 -7 9

Output:

-8 -3 -7

3.

```
#include<stdio.h>
int main(){
    int n;
    printf("Enter size of array : ");
    scanf("%d",&n);
    int arr[n],i,sum=0;
    printf("Input elements : ");
    for(i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }
    for(i=0;i<n;i++){
        sum += arr[i];
    }
    printf("Sum of all elements is : ");
    printf("%d",sum);
    return 0;
}
```

Input:

5

-5 -3 -6 -1 0

Output:

-15

4.

```
#include<stdio.h>

int main(){
    int n;
    printf("Enter size of array : ");
    scanf("%d",&n);
    int arr[n],i,sum=0;
    printf("Input elements : ");
    for(i=0;i<n;i++){
        scanf("%d",&arr[i]);
    }
    int max=arr[0],min=arr[0];
    for(i=0;i<n;i++){
        if(arr[i]>max){
            max=arr[i];
        }
        else if(arr[i]<min){
            min=arr[i];
        }
    }
    printf("Maximum element is : %d",max);
    printf("\nMinimum element is : %d",min);
    return 0;
}
```

Input: 5
-9 8 0 -3 4

Output:

8
-9

5.

```
#include<stdio.h>

int main(){
    int n;
    printf("Enter size of array : ");
    scanf("%d",&n);
    int arr[n],i,max,min;
    printf("Enter elements of Array : ");
    for(i=0;i<n;i++){
        scanf("%d",&arr[i]);
    } max=arr[0];
    min=arr[0];
    for(i=0;i<n;i++){
        if(arr[i]>max){
            max=arr[i];
        } if(arr[i]<min){
            min=arr[i];
        }
    }
    printf("Maximum element is : %d\n",max);
    printf("Minimum element is : %d",min);
    return 0;
}
```

Input: 5

4 -9 5 7 3

7

Output: 7

Found in index 4