

## 1)Find maximum value in array

**Input:**

```
#include <stdio.h>

int main() {
    int n, i, max;
    int arr[100];
    printf("Enter number of elements: ");
    scanf("%d", &n);
    printf("Enter array elements:\n");
    for(i = 0; i < n; i++)
        scanf("%d", &arr[i]);
    max = arr[0];
    for(i = 1; i < n; i++) {
        if(arr[i] > max)
            max = arr[i];
    }
    printf("Maximum value = %d\n", max);
    return 0;
}
```

**Output:**

Enter number of elements: 7

Enter array elements:

12 45 23 67 89 34 56

Maximum value = 89

## 2)Calculate sum of array elements

**Input:**

```
#include <stdio.h>
```

```
int main() {  
    int n, i, sum = 0;  
    int arr[100];  
    printf("Enter number of elements: ");  
    scanf("%d", &n);  
    printf("Enter array elements:\n");  
    for(i = 0; i < n; i++) {  
        scanf("%d", &arr[i]);  
        sum += arr[i];  
    }  
    printf("Sum of array elements = %d\n", sum);  
    return 0;  
}
```

**Output:**

Enter number of elements: 4

Enter array elements:

5 10 15 20

Sum of array elements = 50

**3)Reverse array in c**

**Input:**

```
#include <stdio.h>  
  
int main() {  
    int n, i;  
    int arr[100];  
    printf("Enter number of elements: ");  
    scanf("%d", &n);  
    printf("Enter array elements:\n");
```

```
for(i = 0; i < n; i++)  
    scanf("%d", &arr[i]);  
  
printf("Reversed array:\n");  
  
for(i = n - 1; i >= 0; i--)  
    printf("%d ", arr[i]);  
  
return 0;  
}
```

**Output:**

Enter number of elements: 2

Enter array elements:

10 20

Reversed array:

20 10