

## 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