

## Calculate sum of array elements

```
#include <stdio.h>
int main() {
    int n, i, sum = 0;
    printf("enter the number of elements: ");
    scanf("%d", &n);
    int arr[n];
    printf("enter the elements: \n");
    for (i = 0; i < n; i++) {
        scanf("%d", &arr[i]);
    }
    for (i = 0; i < n; i++) {
        sum = sum + arr[i];
    }
    printf("sum of array elements = %d \n", sum);
    return 0;
}
```

### example input

enter the number of elements: 5  
enter the elements:

10 20 30 40 50

### output

sum of array elements = 150



## Reverse array in C

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

```
int main() {
```

```
int n;
```

```
printf("Enter the number of elements: ");
```

```
scanf("%d", &n);
```

```
int arr[n];
```

```
printf("Enter the elements: \n");
```

```
for (i = 0; i < n; i++) {
```

```
scanf("%d", &arr[i]);
```

```
}
```

```
for (i = 0; i < n/2; i++)
```

```
{
```

```
int temp = arr[i];
```

```
arr[i] = arr[n-1-i];
```

```
arr[n-1-i] = temp;
```

```
}
```

```
printf("Reversed array: \n");
```

```
for (i = 0; i < n; i++) {
```

```
printf("%d", arr[i]);
```

```
}
```

```
return 0;
```

```
}
```

## Example input

Enter the number of element: 5

Enter the elements:

10 20 30 40 50

## output

Reversed array:

50 40 30 20 10



find maximum value in an array

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

```
int main() {
```

```
int n, i, max;
```

```
printf("Enter the number of elements:");
```

```
scanf("%d", &n);
```

```
int arr[n];
```

```
printf("Enter the 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 the number of elements: 5

~~Maximum value = 89~~

enter the elements: 12 45 7 89 34

output

Maximum value = 89