

## Program to calculate average of array in C

```
#include <stdio.h>

int main() {
    int array[10] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 0};
    int sum, loop;
    float avg;

    sum = avg = 0;

    for(loop = 0; loop < 10; loop++) {
        sum = sum + array[loop];
    }

    avg = (float)sum / loop;
    printf("Average of array values is %.2f", avg);

    return 0;
}
```

The output should look like this –

```
Average of array values is 4.50
```

## C Program To Find Maximum & Minimum Element In Array

```
#include <conio.h>

int main()
{
    int a[1000],i,n,min,max;

    printf("Enter size of the array : ");
    scanf("%d",&n);

    printf("Enter elements in array : ");
    for(i=0; i<n; i++)
    {
        scanf("%d",&a[i]);
    }

    min=max=a[0];
    for(i=1; i<n; i++)
    {
        if(min>a[i])
            min=a[i];
        if(max<a[i])
            max=a[i];
    }
    printf("minimum of array is : %d",min);
    printf("\nmaximum of array is : %d",max);
}
```

```
    return 0;  
}
```

## Output

```
Enter size of the array: 5  
Enter elements in array: 1  
2  
3  
4  
5  
minimum of an array is: 1  
maximum of an array is: 5
```