

main.c

```

1 #include <stdio.h>
2 int main()
3 {
4     int n1,n2,n3;           //Array Size Declaration
5     int a[10000], b[10000], c[20000];
6     printf("Enter the size of first array: ");
7     scanf("%d",&n1);
8     printf("Enter the array elements: ");
9     for(int i = 0; i < n1; i++)
10         scanf("%d", &a[i]);
11     printf("Enter the size of second array: ");
12     scanf("%d",&n2);
13     printf("Enter the array elements: ");
14     for(int i = 0; i < n2; i++)
15         scanf("%d", &b[i]);
16     n3 = n1 + n2;
17     for(int i = 0; i < n1; i++)
18         c[i] = a[i];
19     for(int i = 0; i < n2; i++)
20         c[i + n1] = b[i];
21
22     printf("The merged array: ");
23     for(int i = 0; i < n3; i++)
24         printf("%d ", c[i]);           //Print the merged array
25
26     printf("\nFinal array after sorting: ");
27     for(int i = 0; i < n3; i++){
28         int temp;

```

Input optional

5
1 23 43 54 87
3
-45 0 4
|

Output

Accepted 0.002s, 3400KB

Enter the size of first array: Enter the array elements: Enter the size of second array: Enter the array elements: The merged array: 1 23 43 54 87 -45 0 4
Final array after sorting: -45 0 1 4 23 43 54 87

main.c



```
1
2
3 #include<stdio.h>
4
5 int main()
6 {
7     float a[100], sum=0, avg;
8     int i, n;
9
10    printf("Plesae Enter Size of An Array : ");
11    scanf("%d", &n);
12
13    /* Reading array */
14    printf("Enter array elements or numbers:\n");
15    for(i=0; i< n; i++)
16    {
17        printf("Enter element a[%d] = ", i);
18        scanf("%f", &a[i]);
19    }
20    for(i=0; i< n; i++)
21    {
22        sum = sum + a[i];
23    }
24
25
26    avg = sum/n;
27
28
```

Input optional



Output

Accepted 0.002s, 908KB



4
10 20 30 40

Plesae Enter Size of An Array : Enter array elements or numbers:
Enter element a[0] = Enter element a[1] = Enter element a[2] = Enter element a[3] =
Sum is 100.000000
Average is 25.000000



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C (GCC 9.2.0)

main.c



```
1
2
3  #include<stdio.h>
4
5  int main()
6  {
7      int arr[10], i;
8      printf("Enter any 10 elements: ");
9      for(i=0; i<10; i++)
10     {
11         scanf("%d", &arr[i]);
12     }
13     printf("\nThe array elements in reverse order:\n");
14     for(i=9; i>=0; i--)
15     {
16         if(i==0)
17             printf("%d", arr[i]);
18         else
19             printf("%d, ", arr[i]);
20     }
21     return 0;
22 }
23
24
25
26
27
```



Output

Accepted 0.003s, 896KB

Input optional

1 2 3 4

Enter any 10 elements:
The array elements in reverse order:
32767, 1205181488, 0, 4198496, 0, 4198896, 4, 3, 2, 1

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maximum and minimum element

C program to find maximum and minimum element

C program to find

https://techedelight.com/compiler/

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C (GCC 9.2.0)

Command line arguments

main.c

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```
7  int arr[MAX_SIZE];
8  int i, max, min, size;
9  printf("Enter size of the array: ");
10 scanf("%d", &size);
11 printf("Enter elements in the array: ");
12 for(i=0; i<size; i++)
13 {
14     scanf("%d", &arr[i]);
15 }
16 max = arr[0];
17 min = arr[0];
18 for(i=1; i<size; i++)
19 {
20     if(arr[i] > max)
21     {
22         max = arr[i];
23     }
24     if(arr[i] < min)
25     {
26         min = arr[i];
27     }
28 }
29 printf("Maximum element = %d\n", max);
30 printf("Minimum element = %d", min);
31
32 return 0;
33 }
34
```

Input optional

2 4 -7 8 6 1 0

Output

Accepted 0.003s, 900KB

Enter size of the array: Enter elements in the array: Maximum element = 4
Minimum element = -7

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main.c



C (GCC 9.2.0)

Command line ar



```
1 #include <stdio.h>
2
3 #define MAX_SIZE 100
4
5 int main()
6 {
7     int arr[MAX_SIZE];
8     int size;
9     int i, j, k;
10    printf("Enter size of the array : ");
11    scanf("%d", &size);
12    printf("Enter elements in array : ");
13    for(i=0; i<size; i++)
14    {
15        scanf("%d", &arr[i]);
16    }
17    for(i=0; i<size; i++)
18    {
19        for(j=i+1; j<size; j++)
20        {
21            if(arr[i] == arr[j])
22            {
23                for(k=j; k < size - 1; k++)
24                {
25                    arr[k] = arr[k + 1];
26                }
27                size--;
28            }
29        }
30    }
```

Input optional



Output

Accepted 0.002s, 6916KB



20 10 1 100 10 2 1 5 10

Enter size of the array : Enter elements in array :
Array elements after deleting duplicates : 20 10 1 100 2 5 0