

C:\Users\mada\OneDrive\Documents\print the elements in an array.cpp - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

largest number in an array.cpp second largest number in an array.cpp
print the elements in an arry.cpp insertion of element in an array.cpp print array in reverse order.cpp
smallest element in an array.cpp sum of elements in an array.cpp sort an array.cpp
average of elements in an array.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int arr[10] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
5
6     for (int i = 0; i < 10; i++) {
7         printf("%d ", arr[i]);
8     }
9
10    return 0;
11 }
12 
```

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Abort Compilation Compilation results...

C:\Users\madal\OneDrive\Documents\insertion of element in an array.cpp - Dev-C++ 5.11

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Project Classes Debug largest number in an array.cpp print the elements in an array.cpp insertion of element in an array.cpp second largest number in an array.cpp print array in reverse order.cpp smallest element in an array.cpp sum of elements in an array.cpp sort an array.cpp average of elements in an array.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int array[100] = {1, 2, 3, 4, 5};
5     int n = 5;
6     int position = 2;
7     int data = 10;
8     for (int i = n; i >= position; i--) {
9         array[i] = array[i - 1];
10    }
11    array[position - 1] = data;
12    n++;
13    printf("Array after insertion: ");
14    for (int i = 0; i < n; i++) {
15        printf("%d ", array[i]);
16    }
17}
18
19 return 0;
```

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Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\madal\OneDrive\Documents\sort an array.exe
- Output Size: 128.6357421875 KiB
- Compilation Time: 0.63s

C:\Users\mada\OneDrive\Documents\print array in reverse order.cpp - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

largest number in an array.cpp print the elements in an array.cpp insertion of element in an array.cpp second largest number in an array.cpp print array in reverse order.cpp smallest element in an array.cpp sum of elements in an array.cpp C:\Users\mada\OneDrive\Documents\print array in reverse order.cpp sort an array.cpp average of elements in an array.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int arr[] = {1, 2, 3, 4, 5};
5     int size = sizeof(arr) / sizeof(arr[0]);
6
7     for (int i = size - 1; i >= 0; i--) {
8         printf("%d ", arr[i]);
9     }
10
11    return 0;
12 }
13
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mada\OneDrive\Documents\sort an array.exe
- Output Size: 128.6357421875 KiB
- Compilation Time: 0.63s

C:\Users\madal\OneDrive\Documents\sum of elements in an array.cpp - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

Project Classes Debug

largest number in an array.cpp print the elements in an array.cpp insertion of element in an array.cpp print array in reverse order.cpp smallest element in an array.cpp sum of elements in an array.cpp average of elements in an array.cpp sort an array.cpp

print the elements in an array.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int arr[] = {1, 2, 3, 4, 5};
5     int sum = 0;
6
7     for (int i = 0; i < 5; i++) {
8         sum += arr[i];
9     }
10
11    printf("Sum of the array elements: %d", sum);
12
13    return 0;
14}
15
```

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Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\madal\OneDrive\Documents\sort an array.exe
- Output Size: 128.6357421975 Kib
- Compilation Time: 0.63s

C:\Users\mada\OneDrive\Documents\average of elements in an array.cpp - Dev-C++ 5.11

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| (global) | (globals) |

Project Classes Debug largest number in an array.cpp second largest number in an array.cpp smallest element in an array.cpp sum of elements in an array.cpp sort an array.cpp

print the elements in an array.cpp insertion of element in an array.cpp print array in reverse order.cpp

```
#include <stdio.h>
int main() {
    int arr[] = {2, 4, 6, 8, 10};
    int n = sizeof(arr) / sizeof(arr[0]);
    int sum = 0;
    for (int i = 0; i < n; i++) {
        sum += arr[i];
    }
    float average = (float)sum / n;
    printf("The average of the array is: %.2f", average);
    return 0;
}
```

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Abort Compilation Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mada\OneDrive\Documents\sort an array.exe

C:\Users\madal\OneDrive\Documents\largest number in an array.cpp - Dev-C++ 5.11

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(global.s) Project Classes Debug print the elements in an array.cpp insertion of element in an array.cpp print array in reverse order.cpp sum of elements in an array.cpp average of elements in an array sort an array.cpp largest number in an array.cpp second largest number in an array.cpp smallest element in an array.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int arr[] = {10, 20, 4, 45, 99};
5     int n = sizeof(arr) / sizeof(arr[0]);
6     int max = arr[0];
7
8     for (int i = 1; i < n; i++) {
9         if (arr[i] > max) {
10             max = arr[i];
11         }
12     }
13
14     printf("The largest element in the array is: %d", max);
15
16     return 0;
17 }
18 }
```

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Compilation results...

Abort Compilation

- Errors: 0

- Warnings: 0

C:\Users\mada\OneDrive\Documents\second largest number in an array.cpp - Dev-C++ 5.11

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Project Classes Debug print the elements in an array.cpp insertion of element in an array.cpp print array in reverse order.cpp sum of elements in an array.cpp average of elements in an array.cpp largest number in an array.cpp second largest number in an array.cpp smallest element in an array.cpp sort an array.cpp

```
1 #include <stdio.h>
2
3 int main() {
4     int arr[] = {10, 20, 4, 45, 99};
5     int size = sizeof(arr) / sizeof(arr[0]);
6     int first, second;
7
8     if (size < 2) {
9         printf("Invalid Input: Array size must be at least 2\n");
10    return 0;
11 }
12
13    first = second = INT_MIN;
14
15    for (int i = 0; i < size; i++) {
16        if (arr[i] > first) {
17            second = first;
18            first = arr[i];
19        } else if (arr[i] > second && arr[i] != first) {
20            second = arr[i];
21        }
22    }
23
24    if (second == INT_MIN) {
25        printf("There is no second largest element\n");
26    } else {
27        printf("The second largest element is: %d\n", second);
28    }
29
30    return 0;
31 }
32 }
```

C:\Users\mada\OneDrive\Documents\smallest element in an array.cpp - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug print the elements in an array.cpp insertion of element in an array.cpp print array in reverse order.cpp sum of elements in an array.cpp average of elements in an array largest number in an array.cpp second largest number in an array.cpp smallest element in an array.cpp sort an array.cpp

```
#include <stdio.h>
int main() {
    int arr[] = {10, 5, 8, 3, 1};
    int size = sizeof(arr) / sizeof(arr[0]);
    int smallest = arr[0];
    for (int i = 1; i < size; i++) {
        if (arr[i] < smallest) {
            smallest = arr[i];
        }
    }
    printf("The smallest element in the array is: %d", smallest);
    return 0;
}
```

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Abort Compilation Compilation results...

C:\Users\mada\OneDrive\Documents\sort an array.cpp - Dev-C++ 5.11

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Project Classes Debug print the elements in an array.cpp insertion of element in an array.cpp print array in reverse order.cpp sum of elements in an array.cpp average of elements in an array smallest element in an array.cpp sort an array.cpp

```
4 int i, j; temp;
5 for (i = 0; i < n-1; i++) {
6     for (j = 0; j < n-i-1; j++) {
7         if (arr[j] > arr[j+1]) {
8             temp = arr[j];
9             arr[j] = arr[j+1];
10            arr[j+1] = temp;
11        }
12    }
13 }
14 }
15
16 int main() {
17     int arr[] = {64, 34, 25, 12, 22, 11, 90};
18     int n = sizeof(arr)/sizeof(arr[0]);
19     int i;
20
21     printf("Array before sorting: \n");
22     for (i = 0; i < n; i++) {
23         printf("%d ", arr[i]);
24     }
25
26     bubbleSort(arr, n);
27
28     printf("\nArray after sorting: \n");
29     for (i = 0; i < n; i++) {
30         printf("%d ", arr[i]);
31     }
32
33     return 0;
34 }
```

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Compilation results...
Abort Compilation