

C:\Users\mudir\OneDrive\Documents\DS16.cpp - [Executing] - Embarcadero Dev-C++ 6.3

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TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class DS15.cpp DS16.cpp

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

Enter number of elements: 4
Enter 4 elements:
17 29 37 58
Sorted array in ascending order: 17 29 37 58

Process exited after 7.762 seconds with return value 0
Press any key to continue . . . |

Compiler (2) Resources Compile Log Debug Find Results Console Close

Abort Compilation

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mudir\OneDrive\Documents\DS16.exe
- Output Size: 323.4560546875 KiB
- Compilation Time: 0.17s

Shorten compiler path

Line: 14 Col: 1 Sel: 0 Lines: 34 Length: 618 Insert Done parsing

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