

C:\Users\mudir\OneDrive\Documents\DS9.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Class DS8.cpp DS9.cpp

```
2 int main() {
3     int arr[100], n, i, key, low, high, mid, found = 0;
4
5     printf("Enter number of elements: ");
6     scanf("%d", &n);
7
8     printf("Enter %d elements in ascending order:\n", n);
9     for(i = 0; i < n; i++)
10         scanf("%d", &arr[i]);
11
12     printf("Enter element to search: ");
13     scanf("%d", &key);
14
15     low = 0;
16     high = n - 1;
17
18     while(low <= high) {
19         mid = (low + high) / 2;
20         if(arr[mid] == key) {
21             printf("Element found at position %d\n", mid + 1);
22             found = 1;
23             break;
24         }
25         else if(arr[mid] < key)
26             low = mid + 1;
27         else
28             high = mid - 1;
29     }
}
```

Enter number of elements: 6
Enter 6 elements in ascending order:
10 20 30 40 50 60
Enter element to search: 30
Element found at position 3

Process exited after 13.78 seconds with return value 0
Press any key to continue . . . |

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\mudir\OneDrive\Documents\DS9.exe
- Output Size: 323.453125 KiB
- Compilation Time: 0.20s

Line: 37 Col: 1 Sel: 0 Lines: 37 Length: 783 Insert Done parsing in 0 seconds

Rainy days ahead 30°C

Search

16:14 16-10-2025