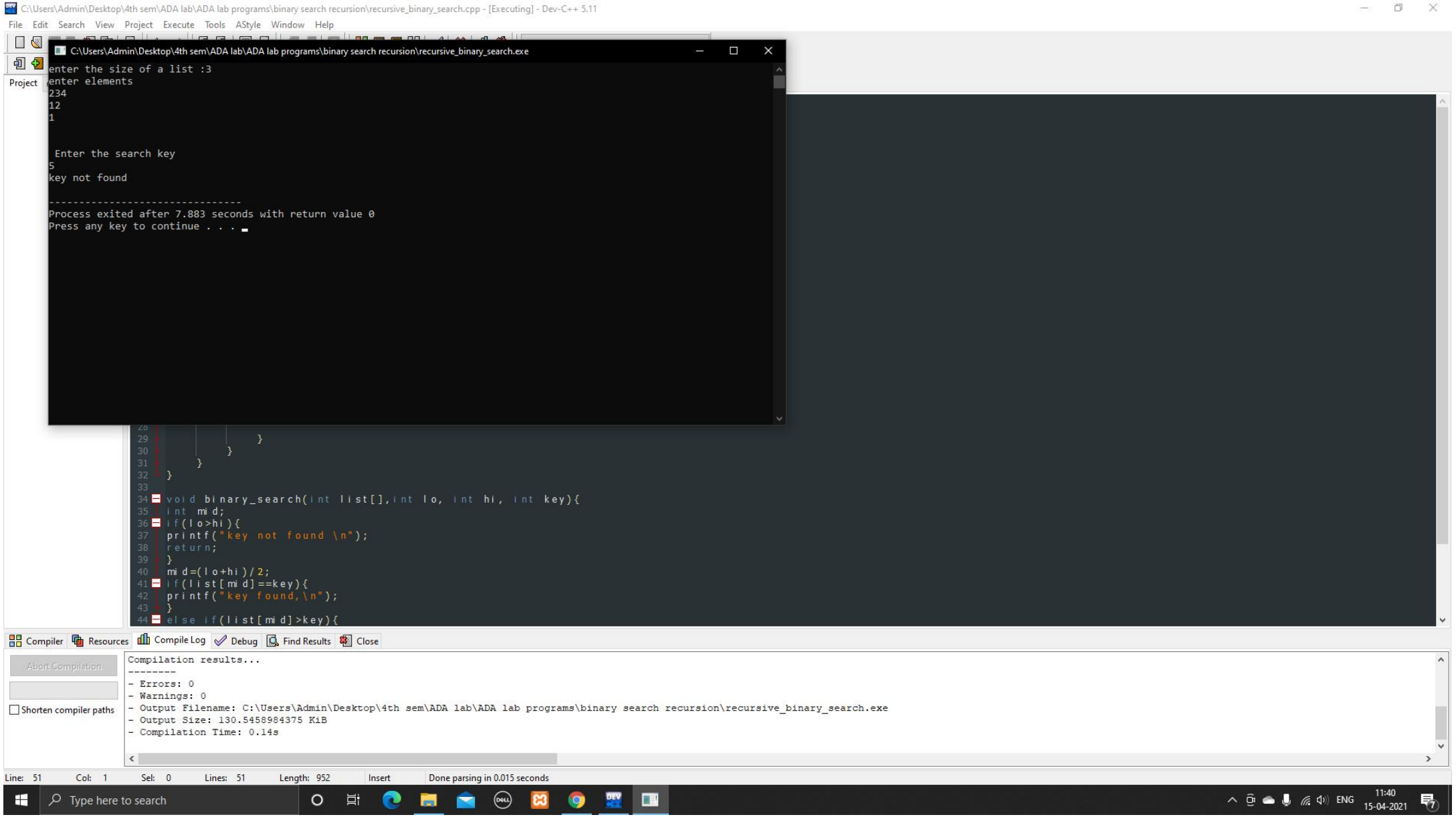

C:\Users\Admin\Desktop\4th sem\ADA lab\ADA lab programs\binary search recursion\recursive_binary_search.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
C:\Users\Admin\Desktop\4th sem\ADA lab\ADA lab programs\binary search recursion\recursive_binary_search.exe
enter the size of a list :3
enter elements
234
12
1
Enter the search key
5
key not found
Process exited after 7.883 seconds with return value 0
Press any key to continue . . .
}
}
}
}
void binary_search(int list[],int lo, int hi, int key){
int mid;
if(lo>hi){
printf("key not found \n");
return;
}
mid=(lo+hi)/2;
if(list[mid]==key){
printf("key found,\n");
}
else if(list[mid]>key){
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\Desktop\4th sem\ADA lab\ADA lab programs\binary search recursion\recursive_binary_search.exe
- Output Size: 130.5458984375 KiB
- Compilation Time: 0.14s
Line: 51 Col: 1 Sel: 0 Lines: 51 Length: 952 Insert Done parsing in 0.015 seconds
Type here to search
ENG
11:40
15-04-2021

C:\Users\Admin\Desktop\4th sem\ADA lab\ADA lab programs\binary search recursion\recursive_binary_search.cpp - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

recursive_binary_search.cpp

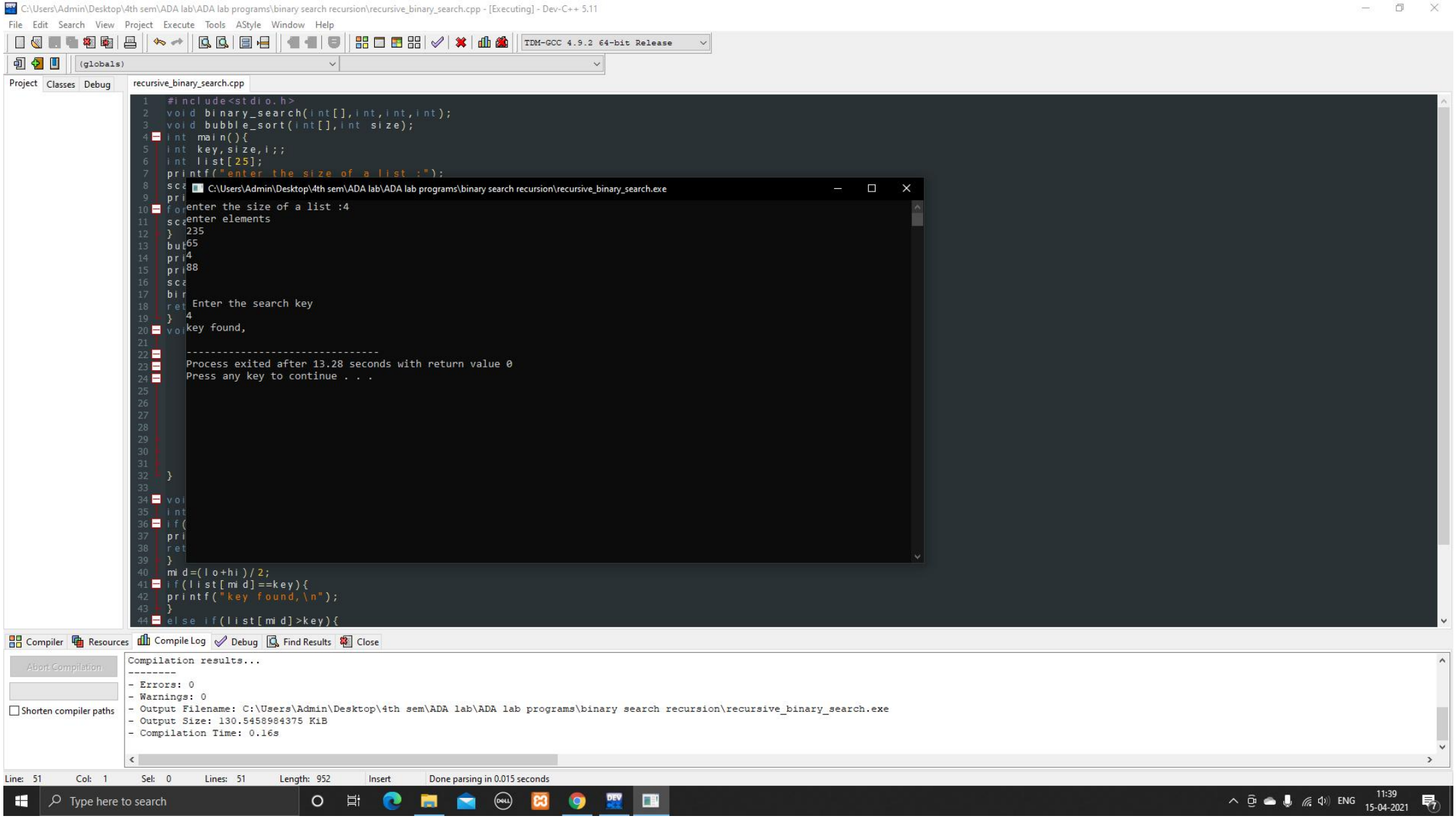
```
#include<stdio.h>
void binary_search(int[],int,int,int);
void bubble_sort(int[],int size);
int main(){
int key,size,i;;
int list[25];
printf("enter the size of a list :");
scanf("%d",&size);
printf("enter elements \n");
for(i=0;i<size;i++){
scanf("%d",&list[i]);
}
bubble_sort(list,size);
printf("\n");
printf("\n Enter the search key \n");
scanf("%d",&key);
binary_search(list,0,size,key);
return 0;
}
void bubble_sort(int list[],int size){
    int temp,i,j;
    for(i=0;i<size;i++){
        for(j=1;j<size;j++){
            if(list[i]>list[j]){
                temp=list[i];
                list[i]=list[j];
                list[j]=temp;

            }
        }
    }
}

void binary_search(int list[],int lo, int hi, int key){
int mid;
if(lo>hi){
printf("key not found \n");
return;
}
mid=(lo+hi)/2;
if(list[mid]==key){
printf("key found,\n");
}
else if(list[mid]>key){
binary_search(list,lo,mid-1,key);
}
else if(list[mid]<key){
binary_search(list,mid+1,hi,key);
}
}

```

Compiler Resources Compile Log Debug Find Results

Line: 51 Col: 1 Sel: 0 Lines: 51 Length: 952 Insert Done parsing in 0.015 seconds

Type here to search

ENG 11:39 15-04-2021


C:\Users\Admin\Desktop\4th sem\ADA lab\ADA lab programs\binary search recursion\recursive_binary_search.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
recursive_binary_search.cpp
#include<stdio.h>
void binary_search(int[],int,int,int);
void bubble_sort(int[],int size);
int main(){
int key,size,i;;
int list[25];
printf("enter the size of a list :");
C:\Users\Admin\Desktop\4th sem\ADA lab\ADA lab programs\binary search recursion\recursive_binary_search.exe
enter the size of a list :4
enter elements
235
65
4
88
Enter the search key
4
key found,

Process exited after 13.28 seconds with return value 0
Press any key to continue . . .
mid=(lo+hi)/2;
if(list[mid]==key){
printf("key found,\n");
}
else if(list[mid]>key){
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\Admin\Desktop\4th sem\ADA lab\ADA lab programs\binary search recursion\recursive_binary_search.exe
- Output Size: 130.5458984375 KiB
- Compilation Time: 0.16s
Line: 51 Col: 1 Sel: 0 Lines: 51 Length: 952 Insert Done parsing in 0.015 seconds
Type here to search
ENG
11:39
15-04-2021