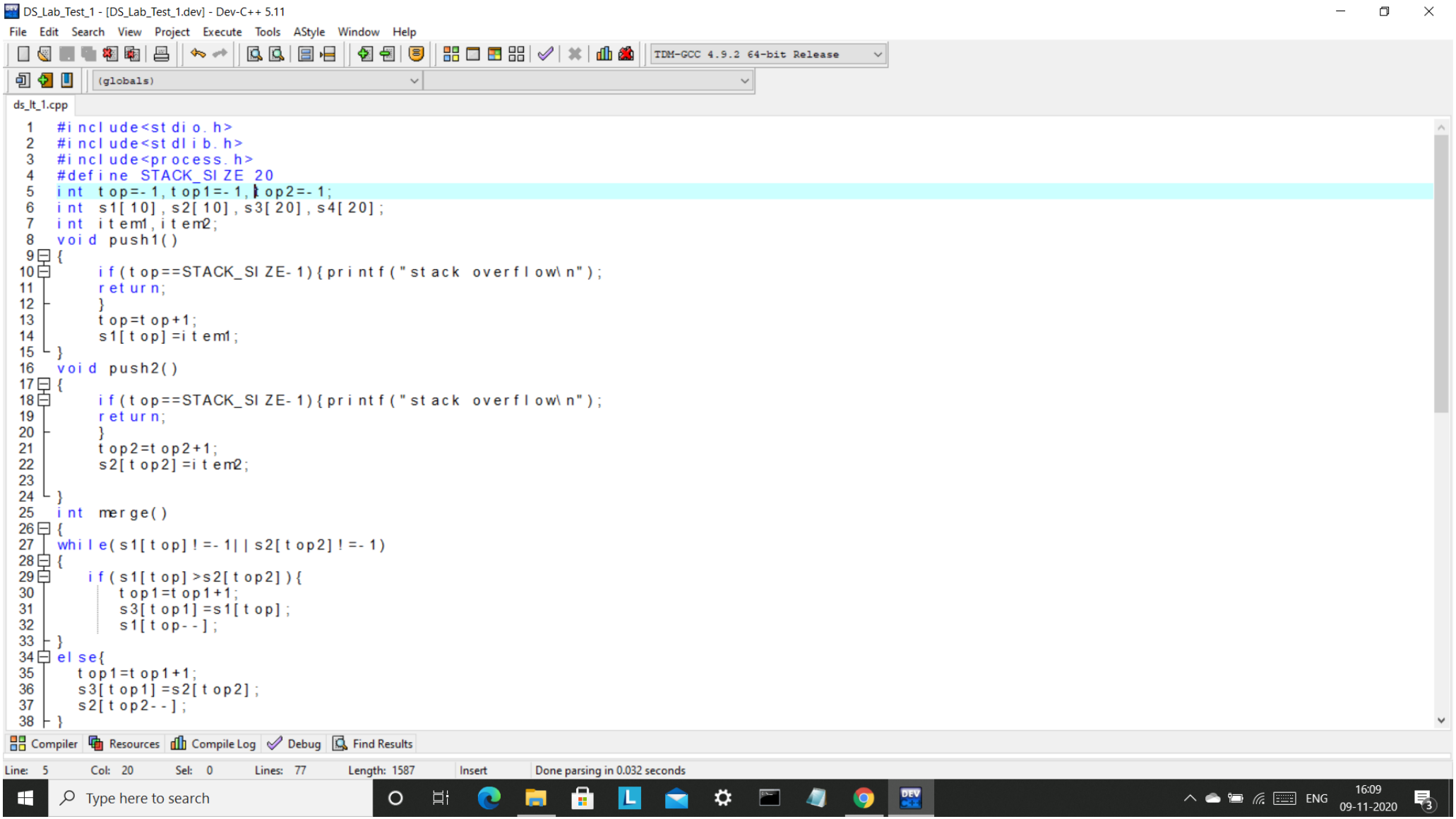

DS_Lab_Test_1 - [DS_Lab_Test_1.dev] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
ds_lt_1.cpp
#include<stdio.h>
#include<stdlib.h>
#include<process.h>
#define STACK_SIZE 20
int top=-1,top1=-1,top2=-1;
int s1[10],s2[10],s3[20],s4[20];
int item1,item2;
void push1()
{
if(top==STACK_SIZE-1){printf("stack overflow\n");
return;
}
top=top+1;
s1[top]=item1;
}
void push2()
{
if(top==STACK_SIZE-1){printf("stack overflow\n");
return;
}
top2=top2+1;
s2[top2]=item2;
}
int merge()
{
while(s1[top]!=-1||s2[top2]!=-1)
{
if(s1[top]>s2[top2]){
top1=top1+1;
s3[top1]=s1[top];
s1[top--];
}
else{
top1=top1+1;
s3[top1]=s2[top2];
s2[top2--];
}
Compiler Resources Compile Log Debug Find Results
Line: 5 Col: 20 Sel: 0 Lines: 77 Length: 1587 Insert Done parsing in 0.032 seconds
Type here to search
ENG
16:09
09-11-2020

DS_Lab_Test_1 - [DS_Lab_Test_1.dev] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

ds_lt_1.cpp

```
38  }
39  return s3[top1++];
40  }
41
42
43  }
44  void display()
45  { int i;
46  if(top1==-1)
47  {printf(" Stack is empty \n");
48  return;
49  }
50  printf("contents of the stack\n");
51  for(i=top1;i>=0;i--)
52  { printf("%d\n",s3[i]);
53  }
54  }
55  int main()
56  {
57  int n,m,j,k;
58      system("cls");
59                  printf("enter the number of elements in stack1\n");
60                  scanf("%d",&n);
61                  printf("enter the item to be inserted in the 1st stack \n");
62                  for(j=0;j<n;j++){
63                      scanf("%d\n",&item1);
64                      push1();
65                  }
66                  printf("enter the number of elements in stack2\n");
67                   scanf("%d",&m);
68                   printf("enter the item to be inserted in the 2nd stack \n");
69                   for(k=0;k<m-1;k++){
70                      scanf("%d\n",&item2);
71                      push2();
72                  }
73                  merge();
74                  display();
75
```

Compiler Resources Compile Log Debug Find Results

Line: 5 Col: 20 Sel: 0 Lines: 77 Length: 1587 Insert Done parsing in 0.032 seconds

Type here to search

ENG 16:09 09-11-2020

DS_Lab_Test_1 - [DS_Lab_Test_1.dev] - Dev-C++ 5.11

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

ds_lt_1.cpp

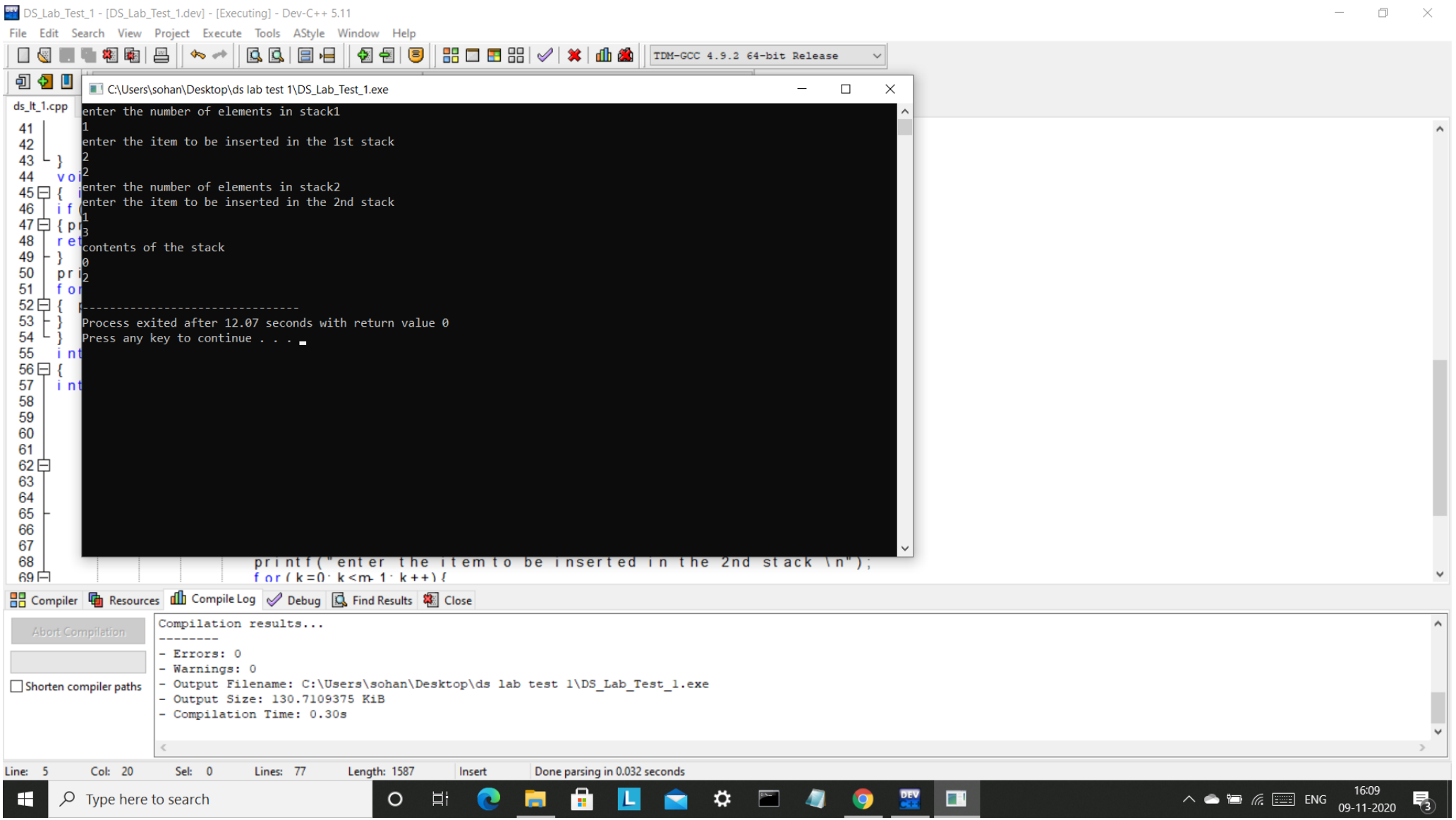
```
41
42
43  }
44  void display()
45  { int i;
46  if(top1==-1)
47  {printf(" Stack is empty \n");
48  return;
49  }
50  printf("contents of the stack\n");
51  for(i=top1;i>=0;i--)
52  { printf("%d\n",s3[i]);
53  }
54  }
55  int main()
56  {
57  int n,m,j,k;
58      system("cls");
59                  printf("enter the number of elements in stack1\n");
60                  scanf("%d",&n);
61                  printf("enter the item to be inserted in the 1st stack \n");
62                  for(j=0;j<n;j++){
63                      scanf("%d\n",&item1);
64                      push1();
65                  }
66                  printf("enter the number of elements in stack2\n");
67                   scanf("%d",&m);
68                   printf("enter the item to be inserted in the 2nd stack \n");
69                   for(k=0;k<m-1;k++){
70                      scanf("%d\n",&item2);
71                      push2();
72                  }
73                  merge();
74                  display();
75
76                  return 0;
77  }
```

Compiler Resources Compile Log Debug Find Results

Line: 5 Col: 20 Sel: 0 Lines: 77 Length: 1587 Insert Done parsing in 0.032 seconds

Type here to search

ENG 16:09 09-11-2020


DS_Lab_Test_1 - [DS_Lab_Test_1.dev] - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
C:\Users\sohan\Desktop\ds lab test 1\DS_Lab_Test_1.exe
enter the number of elements in stack1
1
enter the item to be inserted in the 1st stack
2
2
enter the number of elements in stack2
enter the item to be inserted in the 2nd stack
1
3
contents of the stack
0
2

Process exited after 12.07 seconds with return value 0
Press any key to continue . . .
ds_lt_1.cpp
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\sohan\Desktop\ds lab test 1\DS_Lab_Test_1.exe
- Output Size: 130.7109375 KiB
- Compilation Time: 0.30s
Line: 5 Col: 20 Sel: 0 Lines: 77 Length: 1587 Insert Done parsing in 0.032 seconds
Type here to search
ENG
16:09
09-11-2020