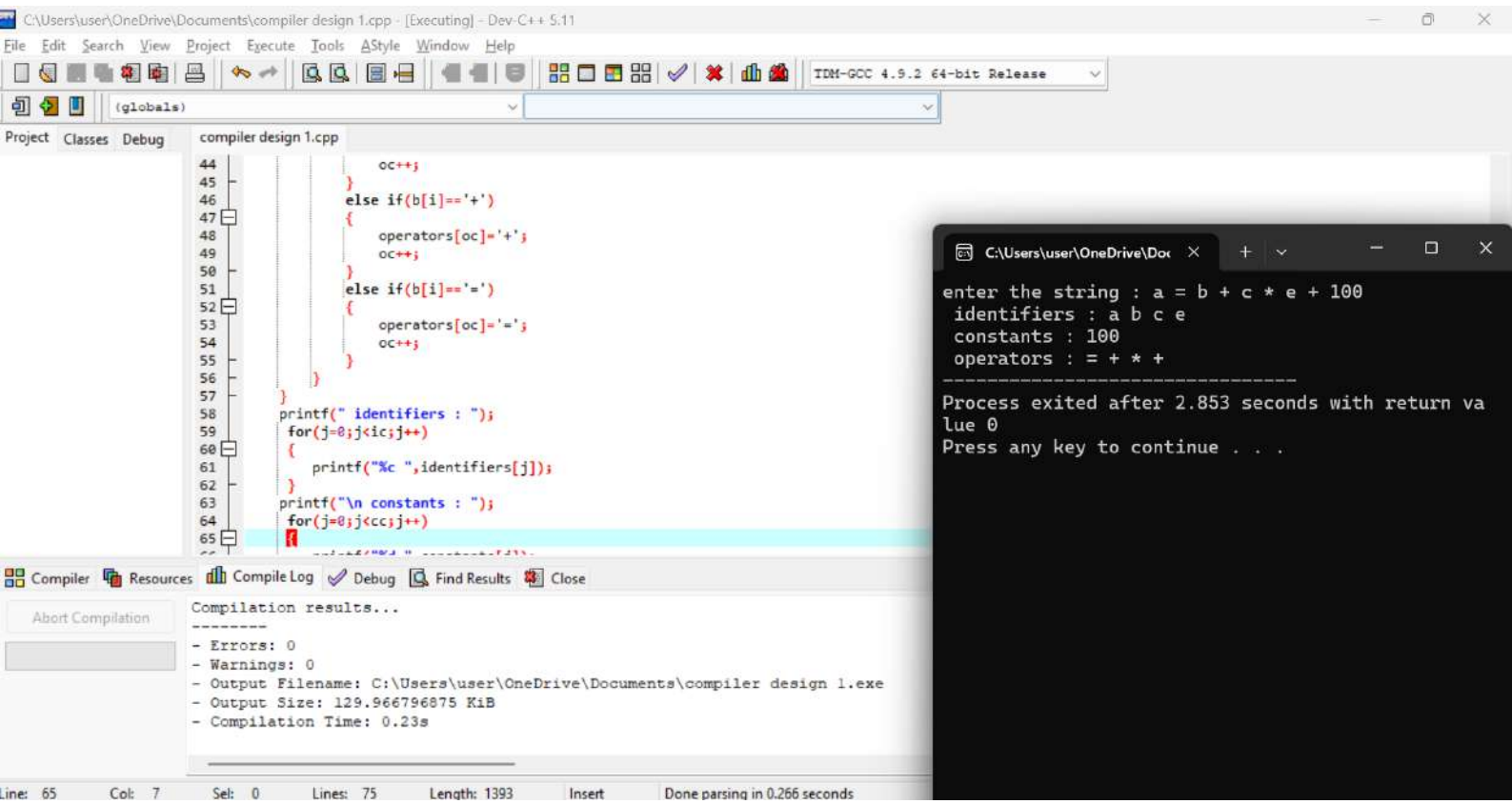
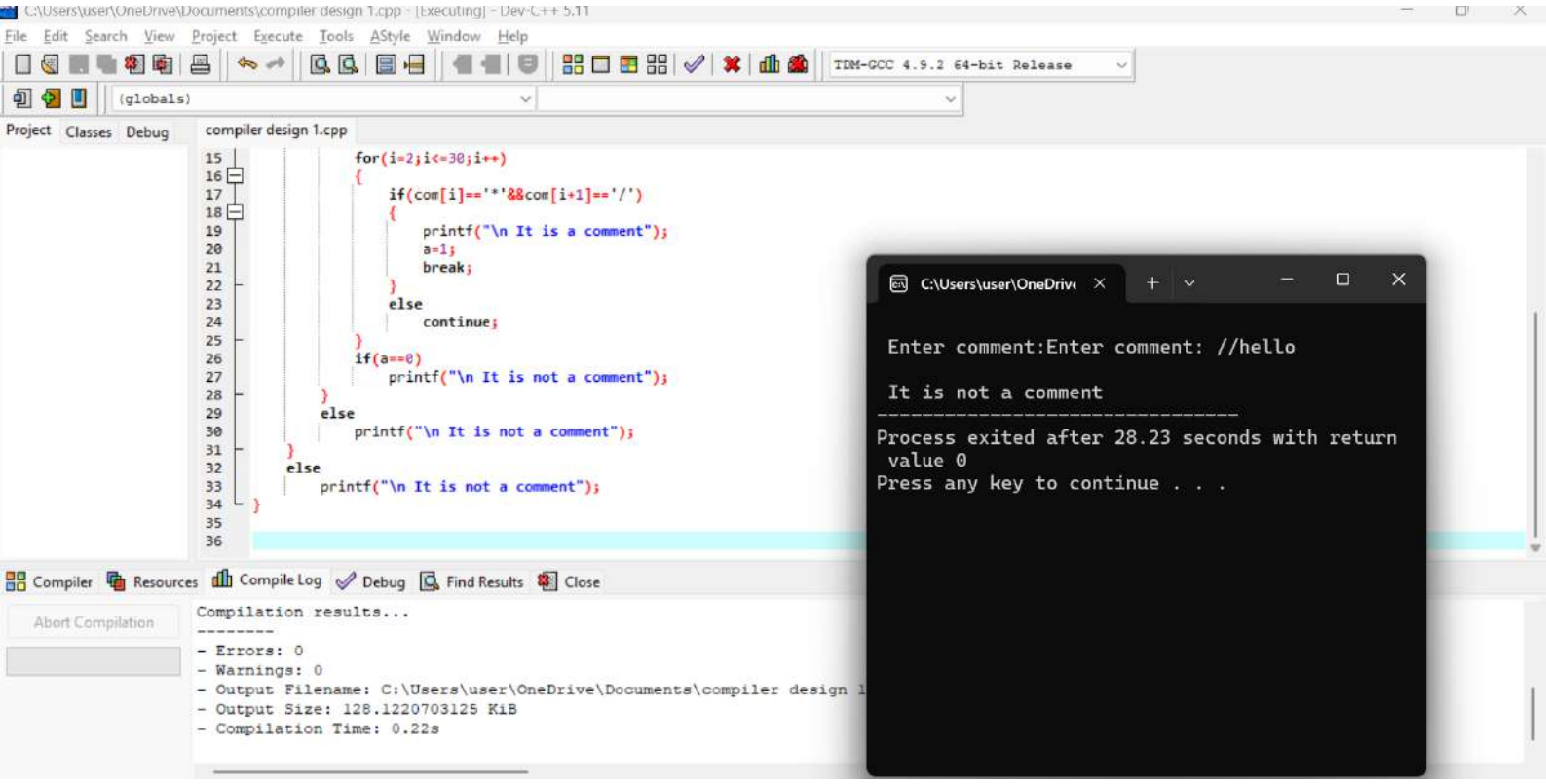
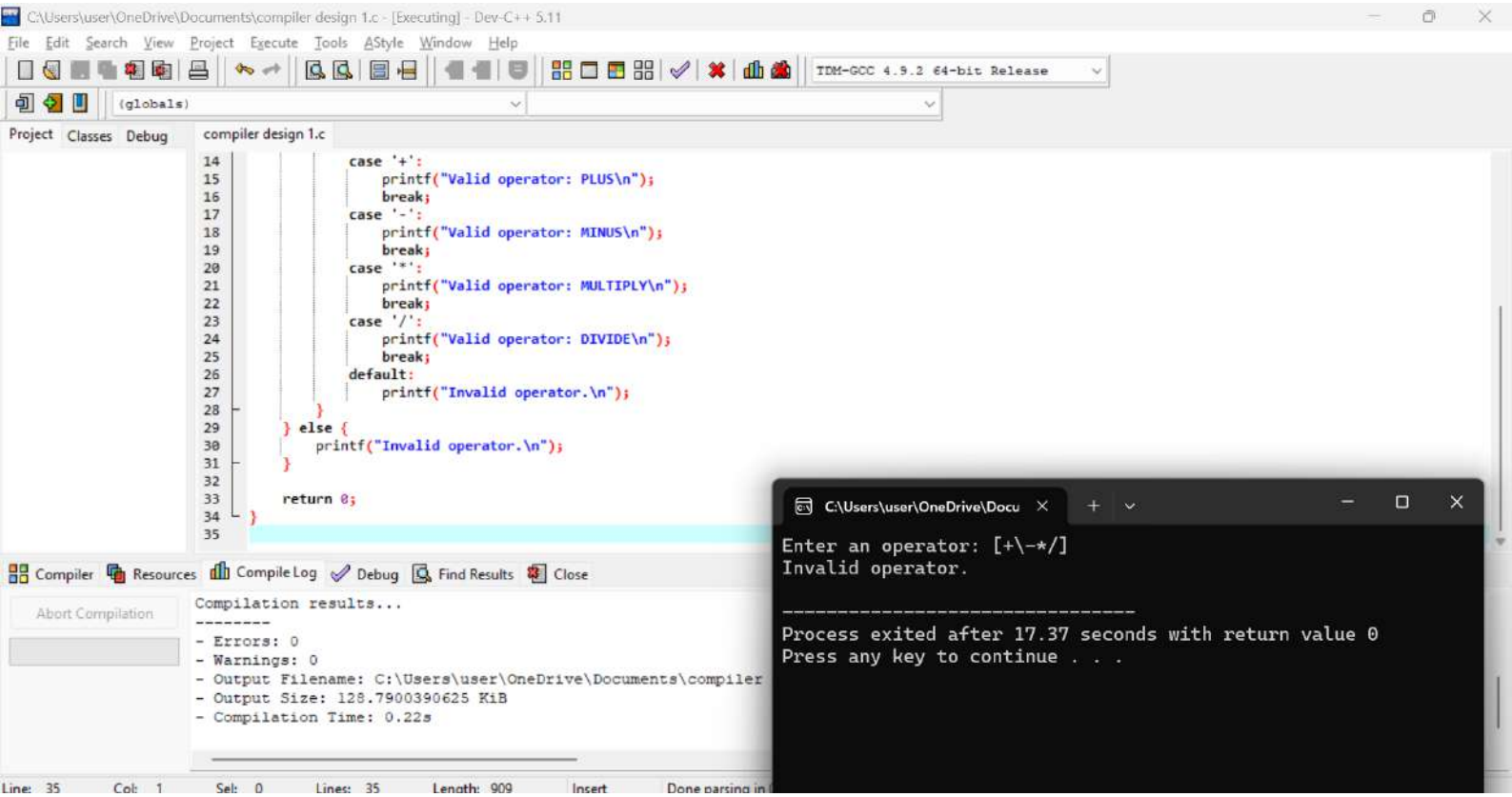

C:\Users\user\OneDrive\Documents\compiler design 1.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
compiler design 1.cpp
oc++;
}
else if(b[i]=='+')
{
operators[oc]='+';
oc++;
}
else if(b[i]=='=')
{
operators[oc]='=';
oc++;
}
}
}
printf(" identifiers : ");
for(j=0;j<ic;j++)
{
printf("%c ",identifiers[j]);
}
printf("\n constants : ");
for(j=0;j<cc;j++)
{
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...

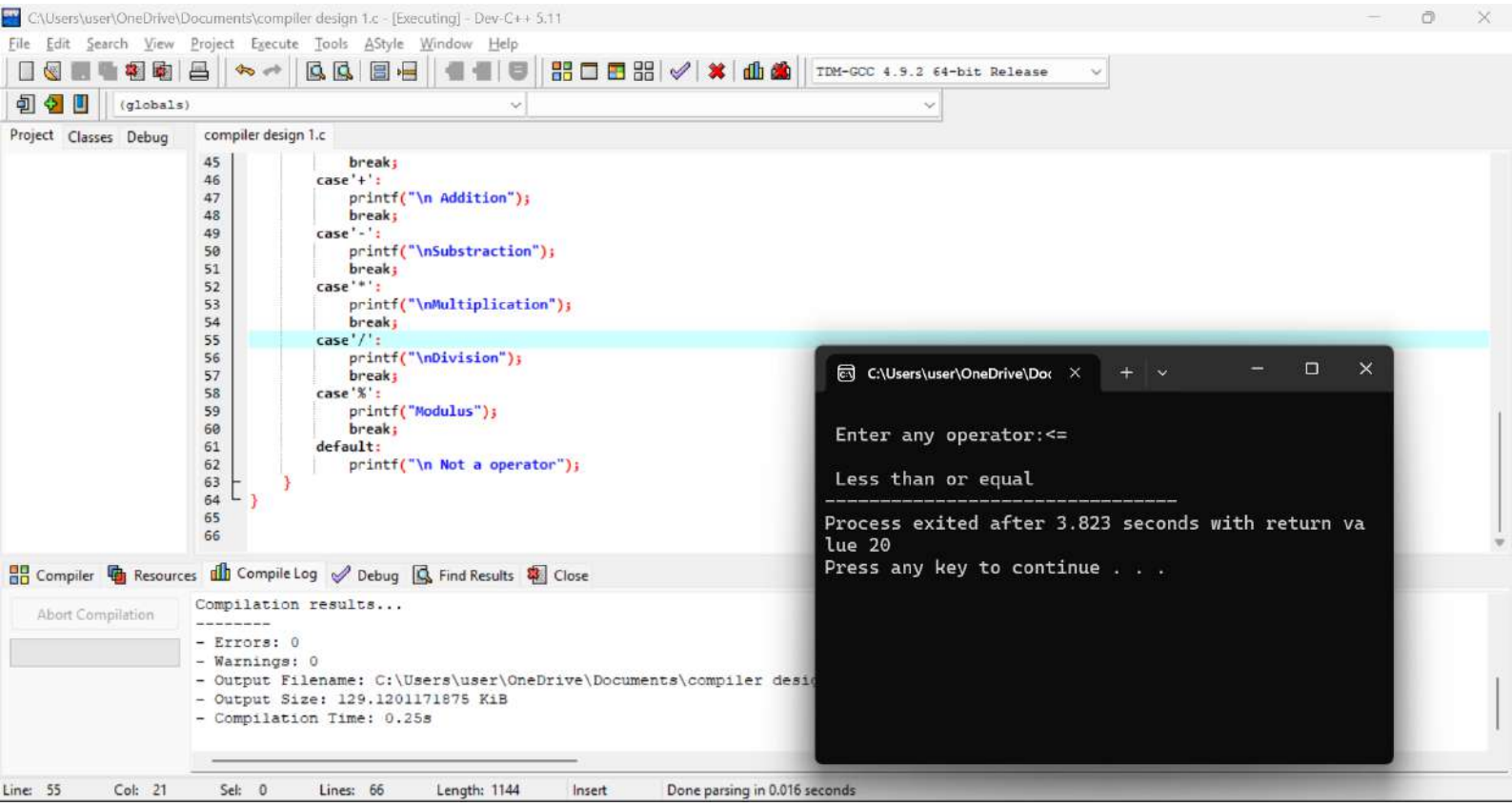
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler design 1.exe
- Output Size: 129.966796875 KiB
- Compilation Time: 0.23s
Line: 65 Col: 7 Sel: 0 Lines: 75 Length: 1393 Insert Done parsing in 0.266 seconds
C:\Users\user\OneDrive\Doc
enter the string : a = b + c * e + 100
identifiers : a b c e
constants : 100
operators : = + * +
Process exited after 2.853 seconds with return va
lue 0
Press any key to continue . . .

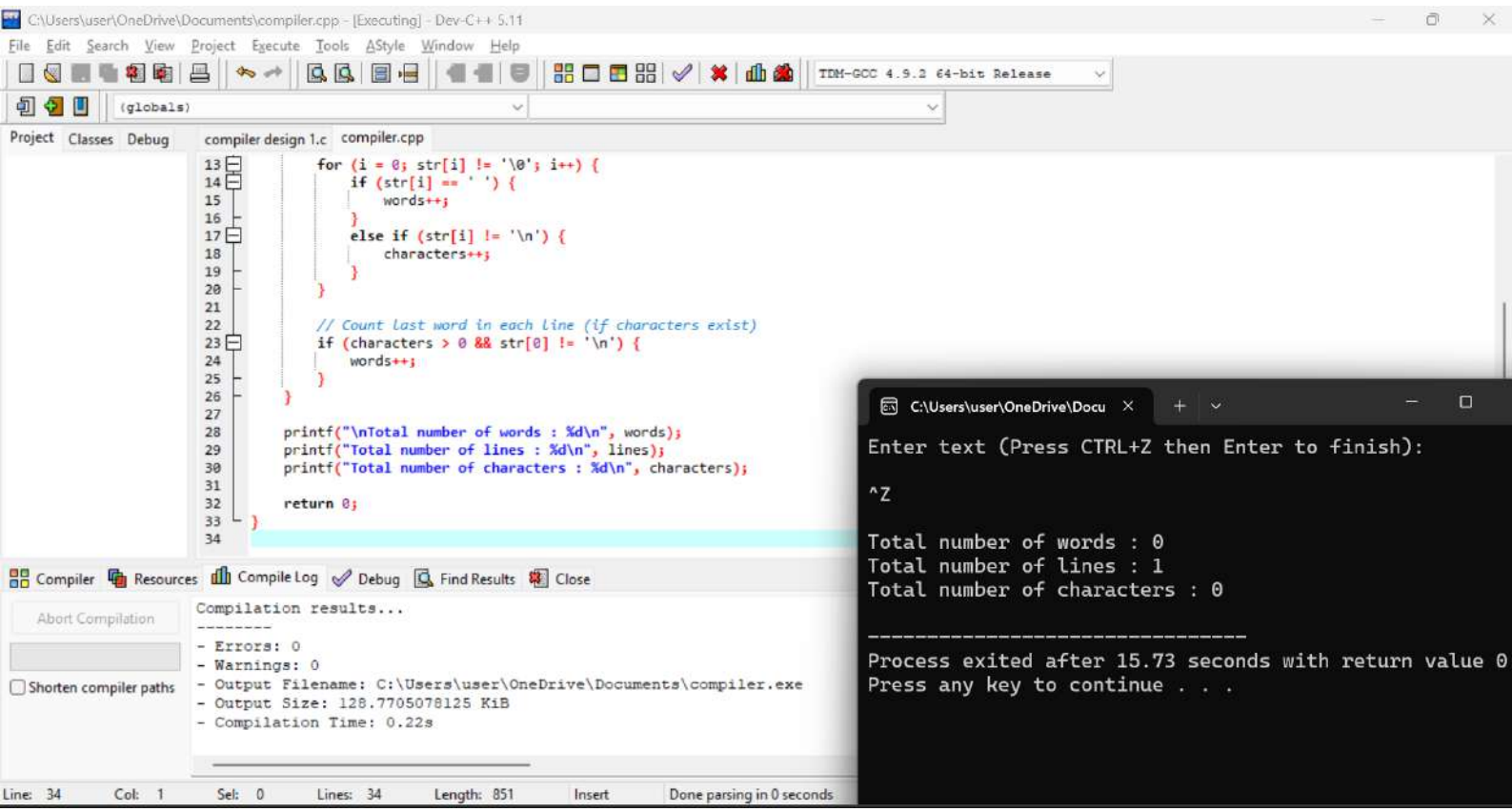

C:\Users\user\OneDrive\Documents\compiler design 1.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
compiler design 1.cpp
for(i=2;i<=30;i++)
{
if(com[i]=='*'&&com[i+1]=='/')
{
printf("\n It is a comment");
a=1;
break;
}
else
continue;
}
if(a==0)
printf("\n It is not a comment");
}
else
printf("\n It is not a comment");
}
else
printf("\n It is not a comment");
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler design 1
- Output Size: 128.1220703125 KiB
- Compilation Time: 0.22s
C:\Users\user\OneDrive
Enter comment:Enter comment: //hello
It is not a comment
Process exited after 28.23 seconds with return value 0
Press any key to continue . . .


C:\Users\user\OneDrive\Documents\compiler design 1.c - [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
compiler design 1.c
case '+':
printf("Valid operator: PLUS\n");
break;
case '-':
printf("Valid operator: MINUS\n");
break;
case '*':
printf("Valid operator: MULTIPLY\n");
break;
case '/':
printf("Valid operator: DIVIDE\n");
break;
default:
printf("Invalid operator.\n");
} else {
printf("Invalid operator.\n");
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler
- Output Size: 128.7900390625 KiB
- Compilation Time: 0.22s
C:\Users\user\OneDrive\Docu
Enter an operator: [+\-*/]
Invalid operator.

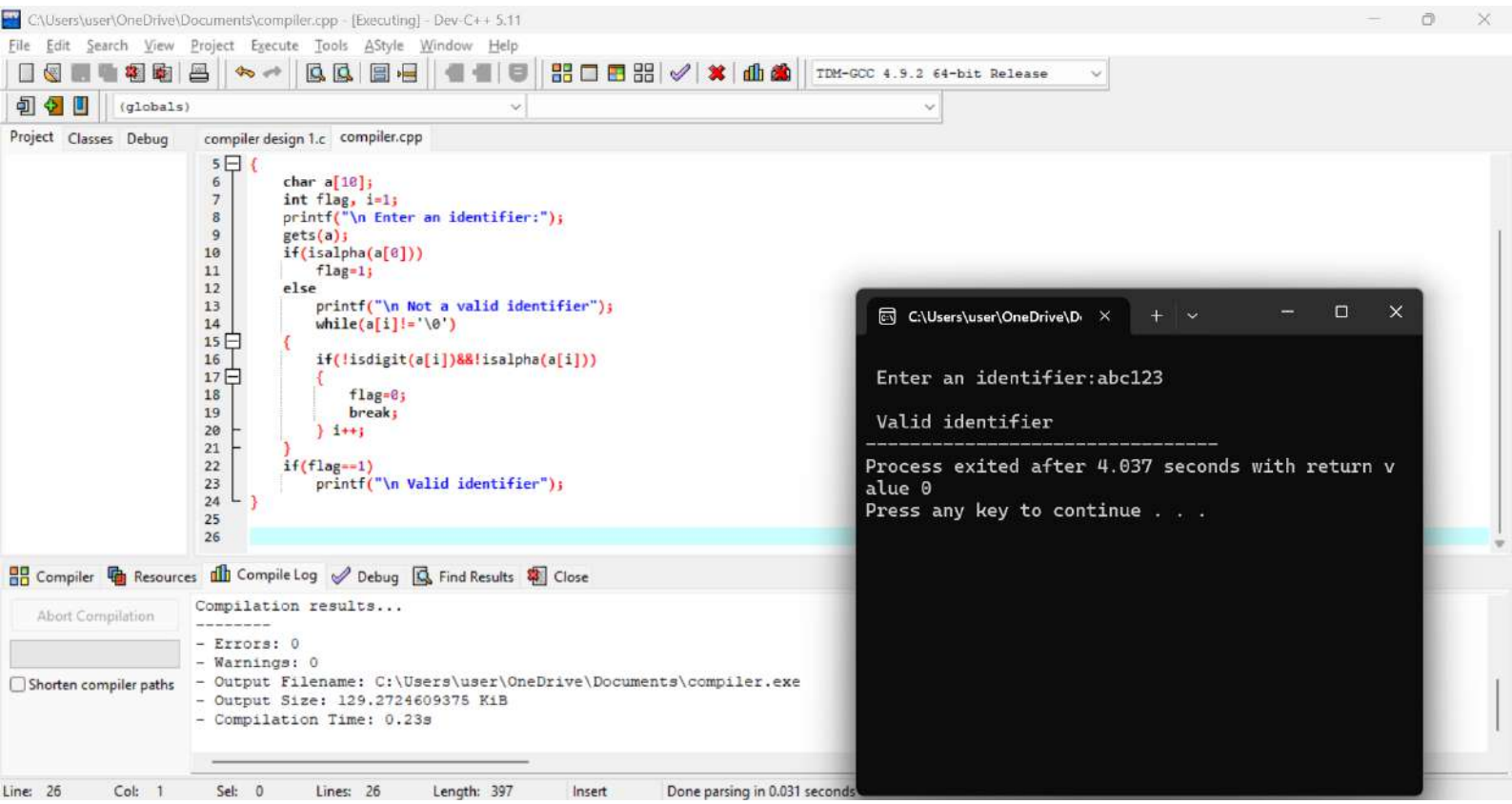
Process exited after 17.37 seconds with return value 0
Press any key to continue . . .

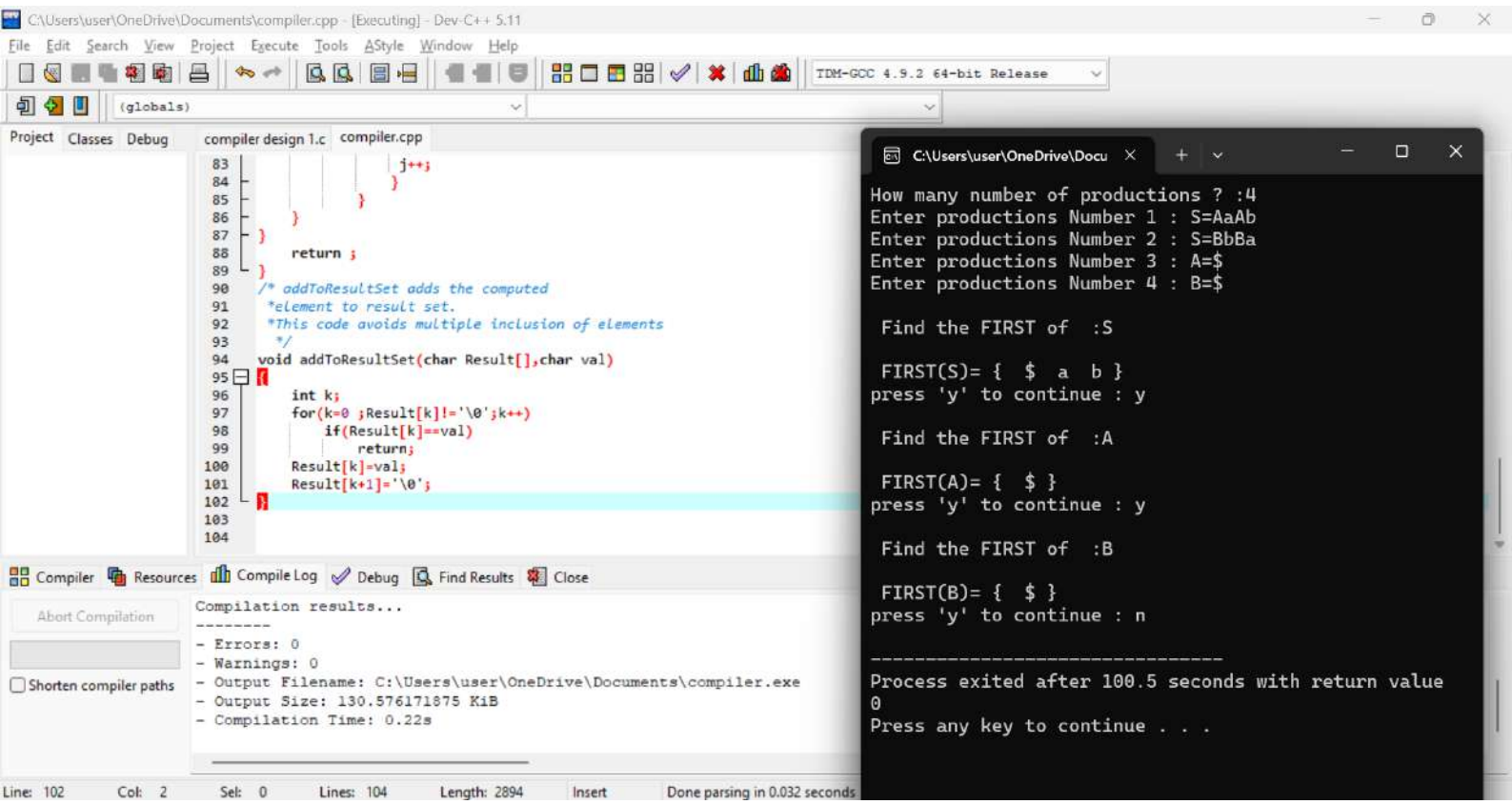

C:\Users\user\OneDrive\Documents\compiler design 1.c - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
compiler design 1.c
45 break;
46 case'+':
47 printf("\n Addition");
48 break;
49 case'-':
50 printf("\nSubstraction");
51 break;
52 case'*':
53 printf("\nMultiplication");
54 break;
55 case'/':
56 printf("\nDivision");
57 break;
58 case'%':
59 printf("Modulus");
60 break;
61 default:
62 printf("\n Not a operator");
63 }
64 }
65
66
C:\Users\user\OneDrive\Do
Enter any operator:<=
Less than or equal
Process exited after 3.823 seconds with return va
lue 20
Press any key to continue . . .
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler desi
- Output Size: 129.1201171875 KiB
- Compilation Time: 0.25s
Line: 55 Col: 21 Sel: 0 Lines: 66 Length: 1144 Insert Done parsing in 0.016 seconds


C:\Users\user\OneDrive\Documents\compiler.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
compiler design 1.c
compiler.cpp
for (i = 0; str[i] != '\0'; i++) {
if (str[i] == ' ') {
words++;
}
else if (str[i] != '\n') {
characters++;
}
}
// Count last word in each line (if characters exist)
if (characters > 0 && str[0] != '\n') {
words++;
}
}
printf("\nTotal number of words : %d\n", words);
printf("Total number of lines : %d\n", lines);
printf("Total number of characters : %d\n", characters);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

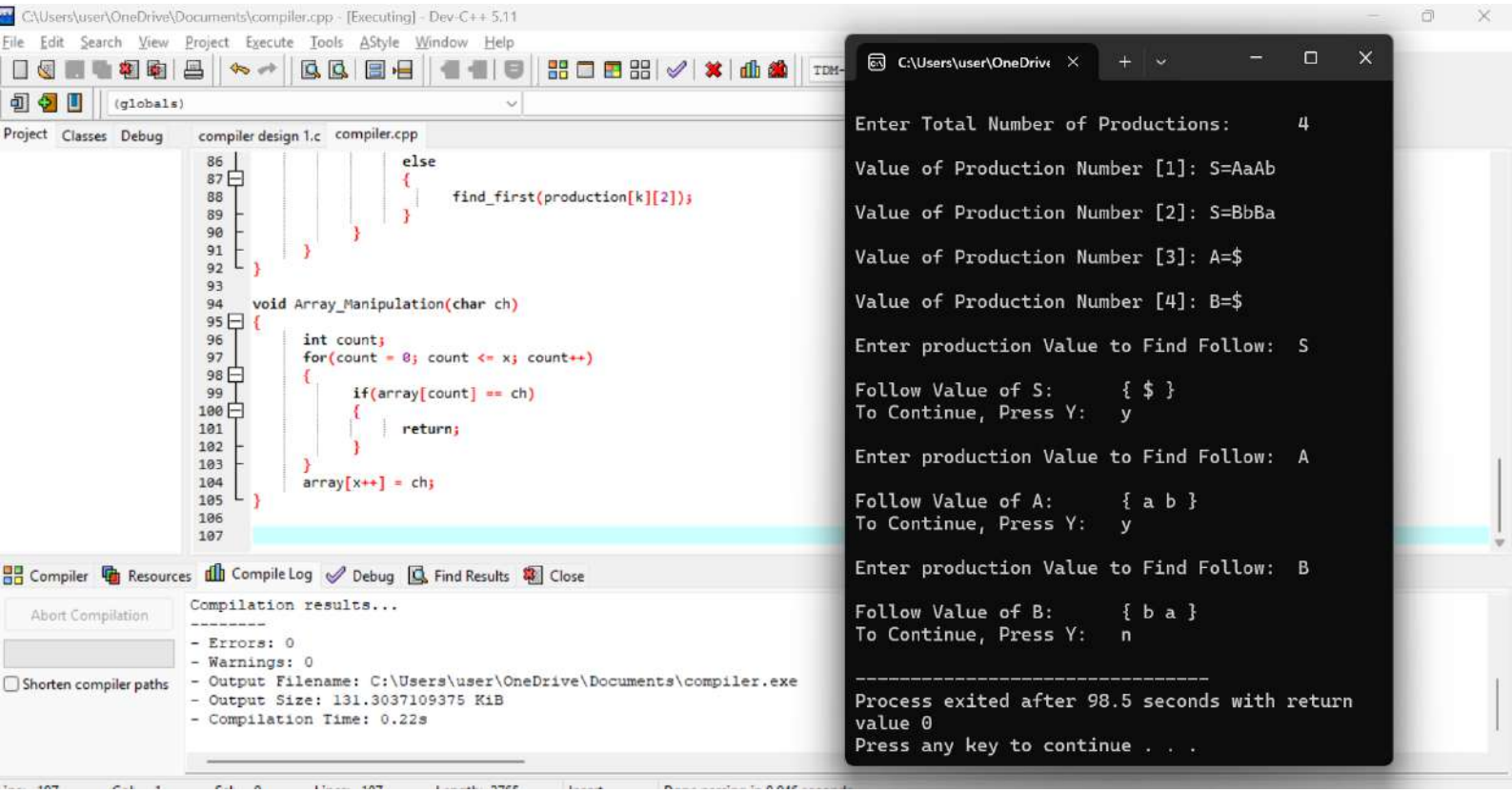
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 128.7705078125 KiB
- Compilation Time: 0.22s
Line: 34 Col: 1 Sel: 0 Lines: 34 Length: 851 Insert Done parsing in 0 seconds
C:\Users\user\OneDrive\Docu
Enter text (Press CTRL+Z then Enter to finish):
^Z
Total number of words : 0
Total number of lines : 1
Total number of characters : 0

Process exited after 15.73 seconds with return value 0
Press any key to continue . . .

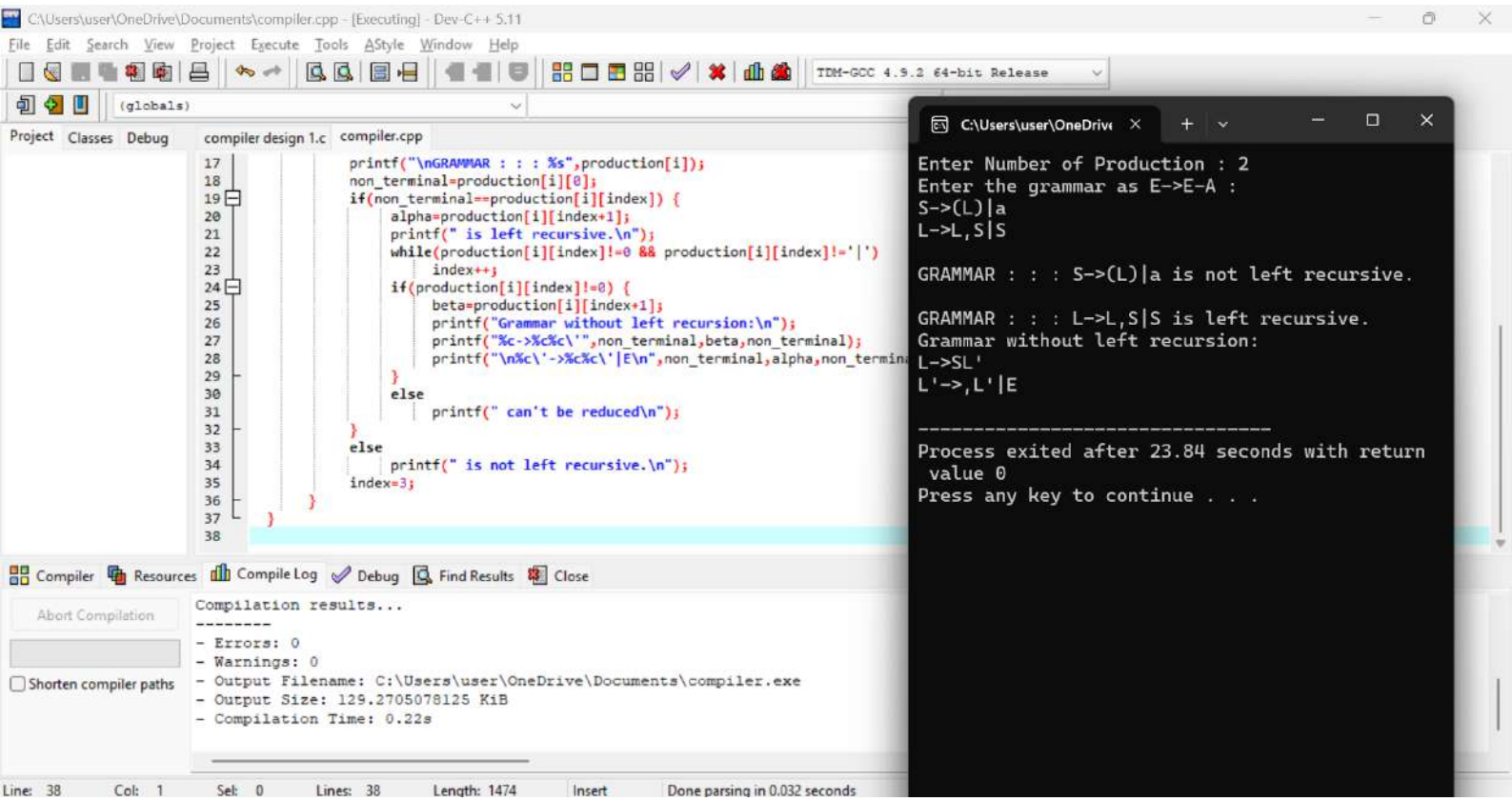

C:\Users\user\OneDrive\Documents\compiler.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
compiler design 1.c
compiler.cpp
{
char a[10];
int flag, i=1;
printf("\n Enter an identifier:");
gets(a);
if(isalpha(a[0]))
flag=1;
else
printf("\n Not a valid identifier");
while(a[i]!='\0')
{
if(!isdigit(a[i])&&!isalpha(a[i]))
{
flag=0;
break;
} i++;
}
if(flag==1)
printf("\n Valid identifier");
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 129.2724609375 KiB
- Compilation Time: 0.23s
Line: 26 Col: 1 Sel: 0 Lines: 26 Length: 397 Insert Done parsing in 0.031 seconds
C:\Users\user\OneDrive\D
Enter an identifier:abc123
Valid identifier
Process exited after 4.037 seconds with return value 0
Press any key to continue . . .


C:\Users\user\OneDrive\Documents\compiler.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
compiler design 1.c
compiler.cpp
j++;
}
}
}
}
return ;
}
/* addToResultSet adds the computed
*element to result set.
*This code avoids multiple inclusion of elements
*/
void addToResultSet(char Result[],char val)
{
int k;
for(k=0 ;Result[k]!='\0';k++)
if(Result[k]==val)
return;
Result[k]=val;
Result[k+1]='\0';
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 130.576171875 KiB
- Compilation Time: 0.22s
Line: 102 Col: 2 Sel: 0 Lines: 104 Length: 2894 Insert Done parsing in 0.032 seconds
C:\Users\user\OneDrive\Docu
How many number of productions ? :4
Enter productions Number 1 : S=AaAb
Enter productions Number 2 : S=BbBa
Enter productions Number 3 : A=$
Enter productions Number 4 : B=$
Find the FIRST of :S
FIRST(S)= { $ a b }
press 'y' to continue : y
Find the FIRST of :A
FIRST(A)= { $ }
press 'y' to continue : y
Find the FIRST of :B
FIRST(B)= { $ }
press 'y' to continue : n
Process exited after 100.5 seconds with return value
0
Press any key to continue . . .

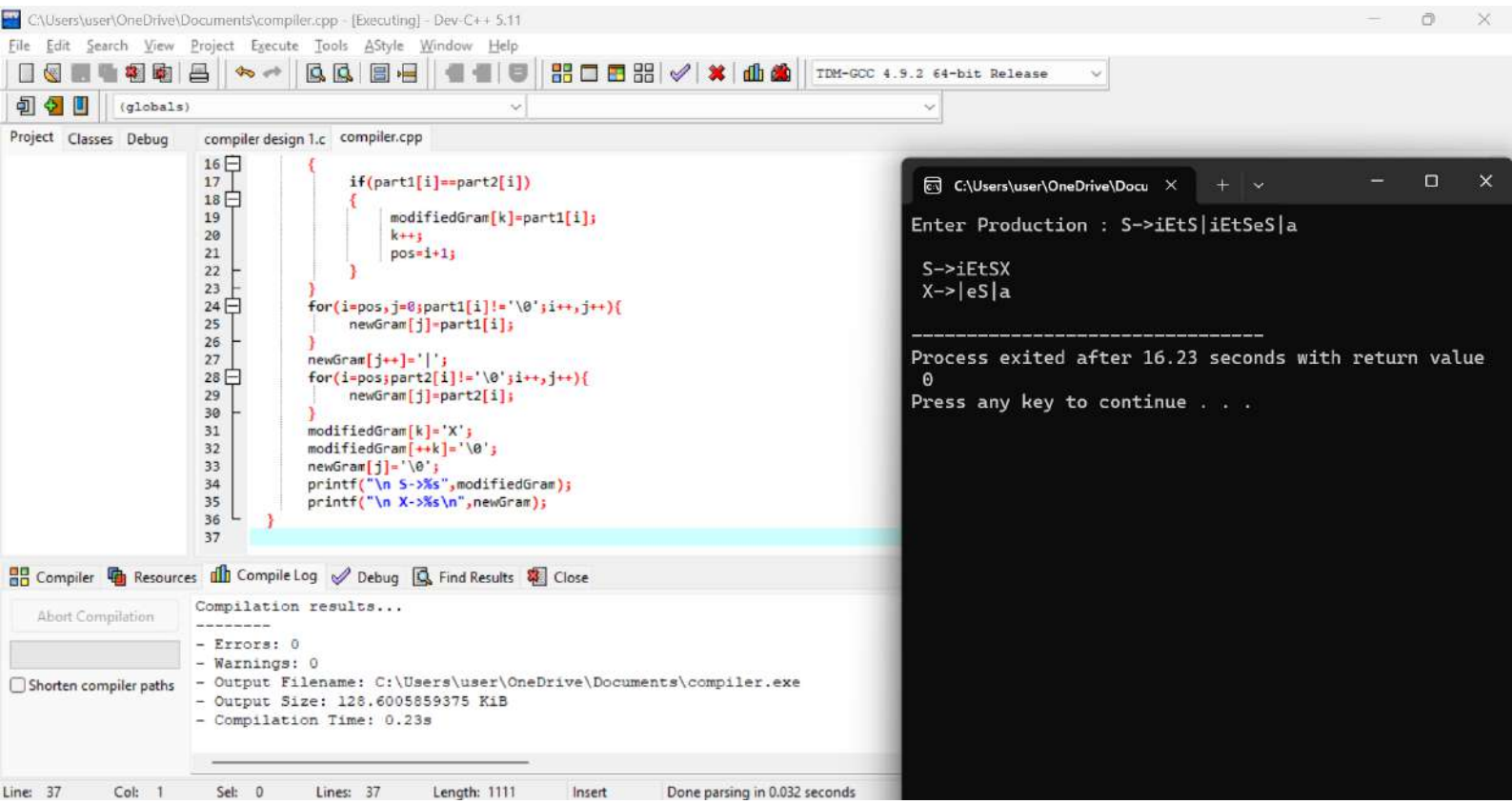

C:\Users\user\OneDrive\Documents\compiler.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug
compiler design 1.c
compiler.cpp
else
{
find_first(production[k][2]);
}
}
}
}
void Array_Manipulation(char ch)
{
int count;
for(count = 0; count <= x; count++)
{
if(array[count] == ch)
{
return;
}
}
array[x++] = ch;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 131.3037109375 KiB
- Compilation Time: 0.22s
C:\Users\user\OneDrive
Enter Total Number of Productions: 4
Value of Production Number [1]: S=AaAb
Value of Production Number [2]: S=BbBa
Value of Production Number [3]: A=$
Value of Production Number [4]: B=$
Enter production Value to Find Follow: S
Follow Value of S: { $ }
To Continue, Press Y: y
Enter production Value to Find Follow: A
Follow Value of A: { a b }
To Continue, Press Y: y
Enter production Value to Find Follow: B
Follow Value of B: { b a }
To Continue, Press Y: n
Process exited after 98.5 seconds with return value 0
Press any key to continue . . .

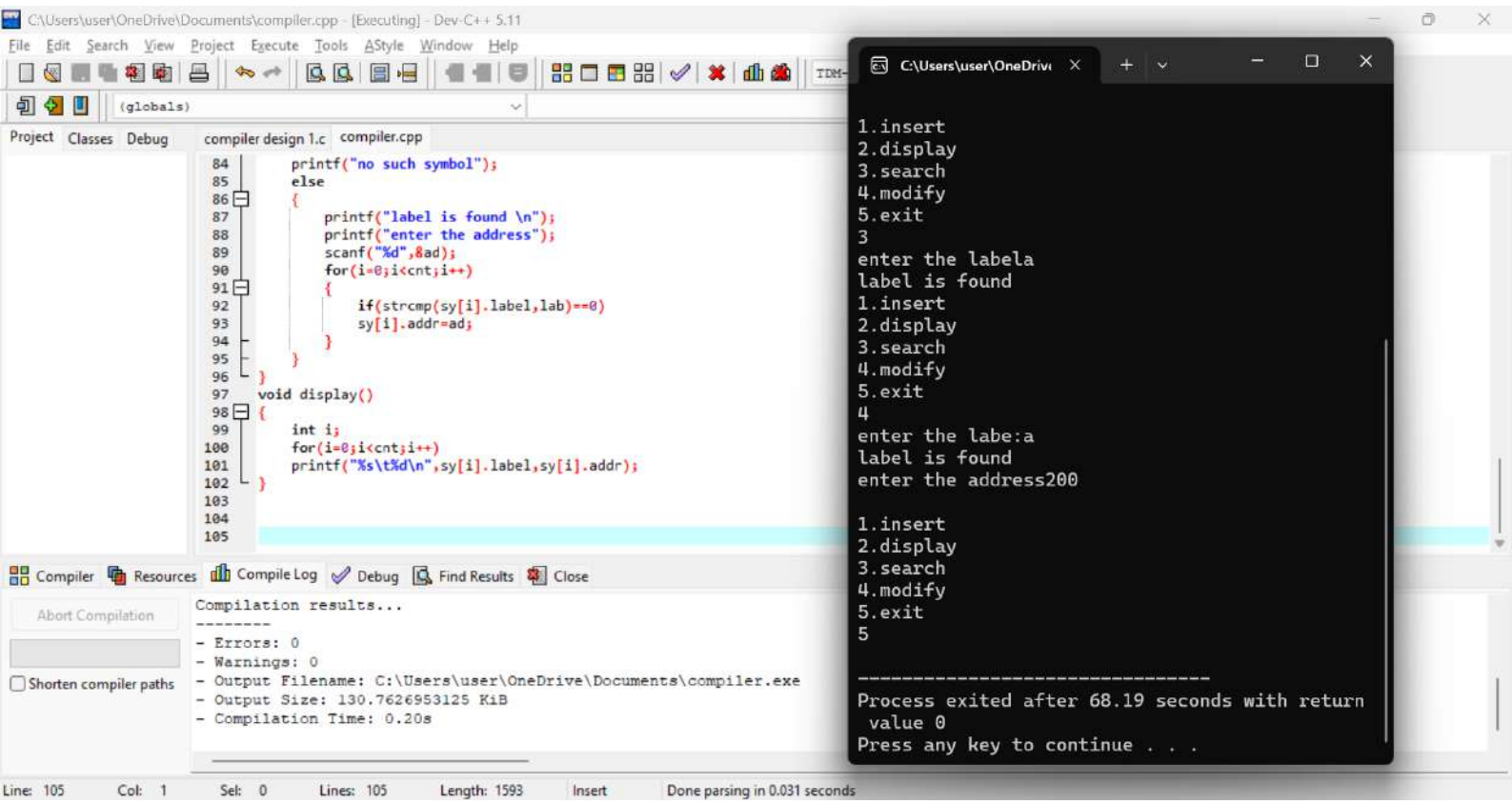

C:\Users\user\OneDrive\Documents\compiler.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
compiler design 1.c
compiler.cpp
printf("\nGRAMMAR : : : %s",production[i]);
non_terminal=production[i][0];
if(non_terminal==production[i][index]) {
alpha=production[i][index+1];
printf(" is left recursive.\n");
while(production[i][index]!=0 && production[i][index]!='|')
index++;
if(production[i][index]!=0) {
beta=production[i][index+1];
printf("Grammar without left recursion:\n");
printf("%c->%c%c\'",non_terminal,beta,non_terminal);
printf("\n%c\'->%c%c\'|E\n",non_terminal,alpha,non_termina
}
else
printf(" can't be reduced\n");
}
else
printf(" is not left recursive.\n");
index=3;
}
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

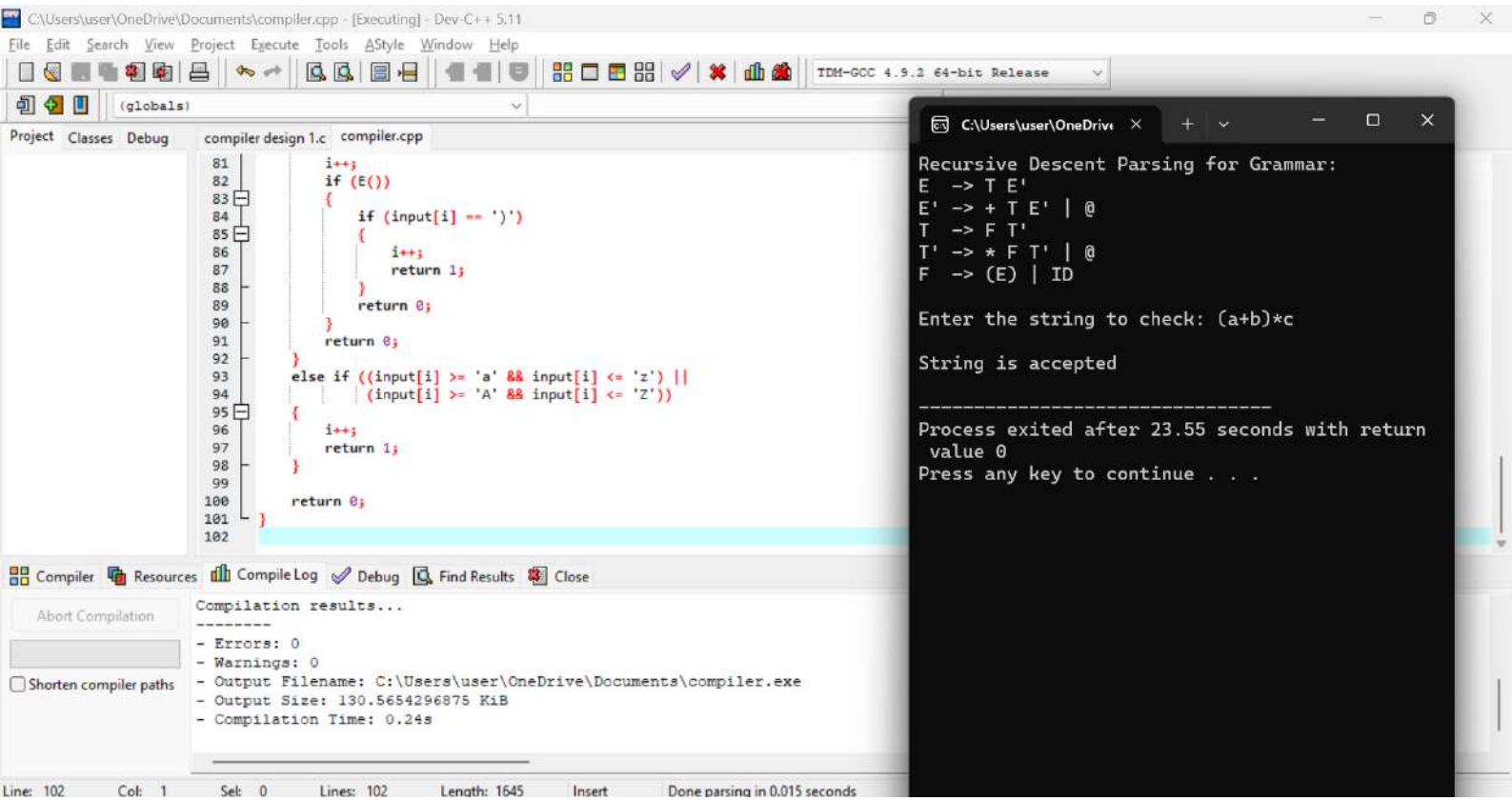
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 129.2705078125 KiB
- Compilation Time: 0.22s
Line: 38 Col: 1 Sel: 0 Lines: 38 Length: 1474 Insert Done parsing in 0.032 seconds
C:\Users\user\OneDrive
Enter Number of Production : 2
Enter the grammar as E->E-A :
S->(L)|a
L->L,S|S
GRAMMAR : : : S->(L)|a is not left recursive.
GRAMMAR : : : L->L,S|S is left recursive.
Grammar without left recursion:
L->SL'
L'->,L'|E

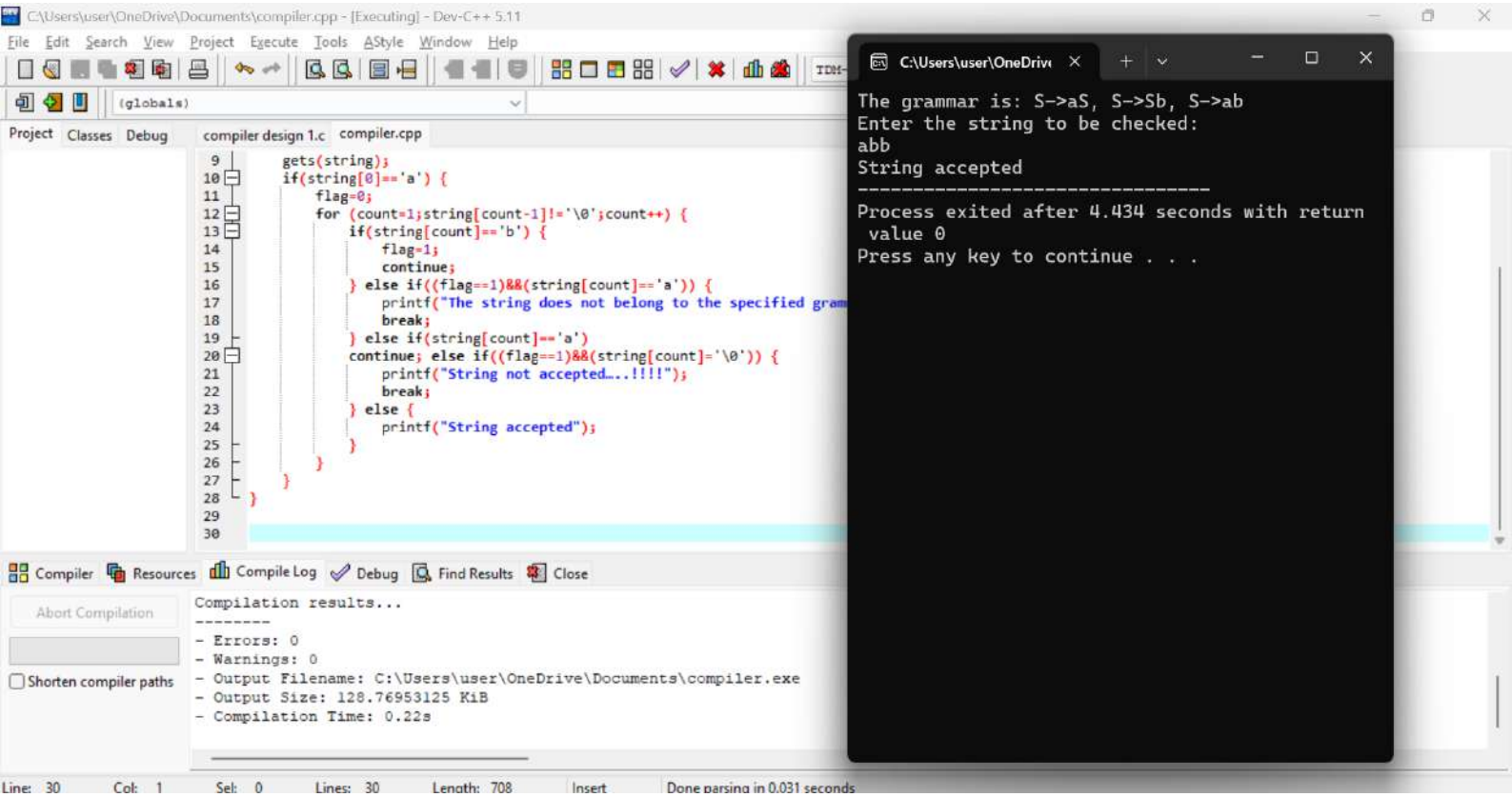
Process exited after 23.84 seconds with return value 0
Press any key to continue . . .


C:\Users\user\OneDrive\Documents\compiler.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
compiler design 1.c
compiler.cpp
{
if(part1[i]==part2[i])
{
modifiedGram[k]=part1[i];
k++;
pos=i+1;
}
}
for(i=pos,j=0;part1[i]!='\0';i++,j++){
newGram[j]=part1[i];
}
newGram[j++]='|';
for(i=pos;part2[i]!='\0';i++,j++){
newGram[j]=part2[i];
}
modifiedGram[k]='X';
modifiedGram[++k]='\0';
newGram[j]='\0';
printf("\n S->%s",modifiedGram);
printf("\n X->%s\n",newGram);
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 128.6005859375 KiB
- Compilation Time: 0.23s
Line: 37 Col: 1 Sel: 0 Lines: 37 Length: 1111 Insert Done parsing in 0.032 seconds
C:\Users\user\OneDrive\Docu
Enter Production : S->iEtS|iEtSeS|a
S->iEtSX
X->|eS|a
Process exited after 16.23 seconds with return value 0
Press any key to continue . . .

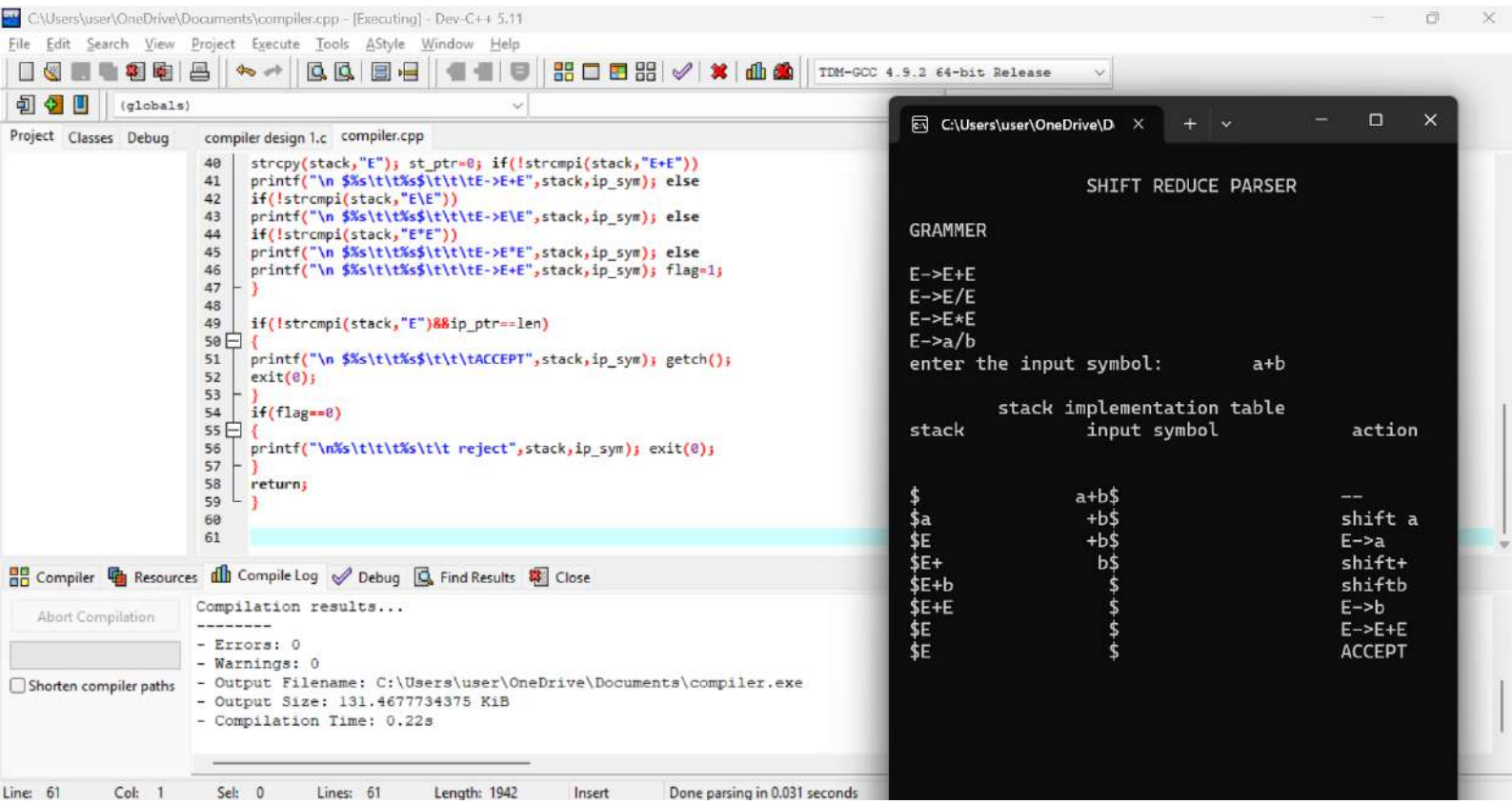

C:\Users\user\OneDrive\Documents\compiler.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug
compiler design 1.c
compiler.cpp
printf("no such symbol");
else
{
printf("label is found \n");
printf("enter the address");
scanf("%d",&ad);
for(i=0;i<cnt;i++)
{
if(strcmp(sy[i].label,lab)==0)
sy[i].addr=ad;
}
}
}
void display()
{
int i;
for(i=0;i<cnt;i++)
printf("%s\t%d\n",sy[i].label,sy[i].addr);
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 130.7626953125 KiB
- Compilation Time: 0.20s
Line: 105 Col: 1 Sel: 0 Lines: 105 Length: 1593 Insert Done parsing in 0.031 seconds
C:\Users\user\OneDrive
1.insert
2.display
3.search
4.modify
5.exit
3
enter the labela
label is found
1.insert
2.display
3.search
4.modify
5.exit
4
enter the labe:a
label is found
enter the address200
1.insert
2.display
3.search
4.modify
5.exit
5
Process exited after 68.19 seconds with return value 0
Press any key to continue . . .


C:\Users\user\OneDrive\Documents\compiler.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
compiler design 1.c
compiler.cpp
i++;
if (E())
{
if (input[i] == ')')
{
i++;
return 1;
}
return 0;
}
return 0;
}
else if ((input[i] >= 'a' && input[i] <= 'z') ||
(input[i] >= 'A' && input[i] <= 'Z'))
{
i++;
return 1;
}
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 130.5654296875 KiB
- Compilation Time: 0.24s
Line: 102 Col: 1 Sel: 0 Lines: 102 Length: 1645 Insert Done parsing in 0.015 seconds
C:\Users\user\OneDrive
Recursive Descent Parsing for Grammar:
E -> T E'
E' -> + T E' | @
T -> F T'
T' -> * F T' | @
F -> (E) | ID
Enter the string to check: (a+b)*c
String is accepted
Process exited after 23.55 seconds with return value 0
Press any key to continue . . .

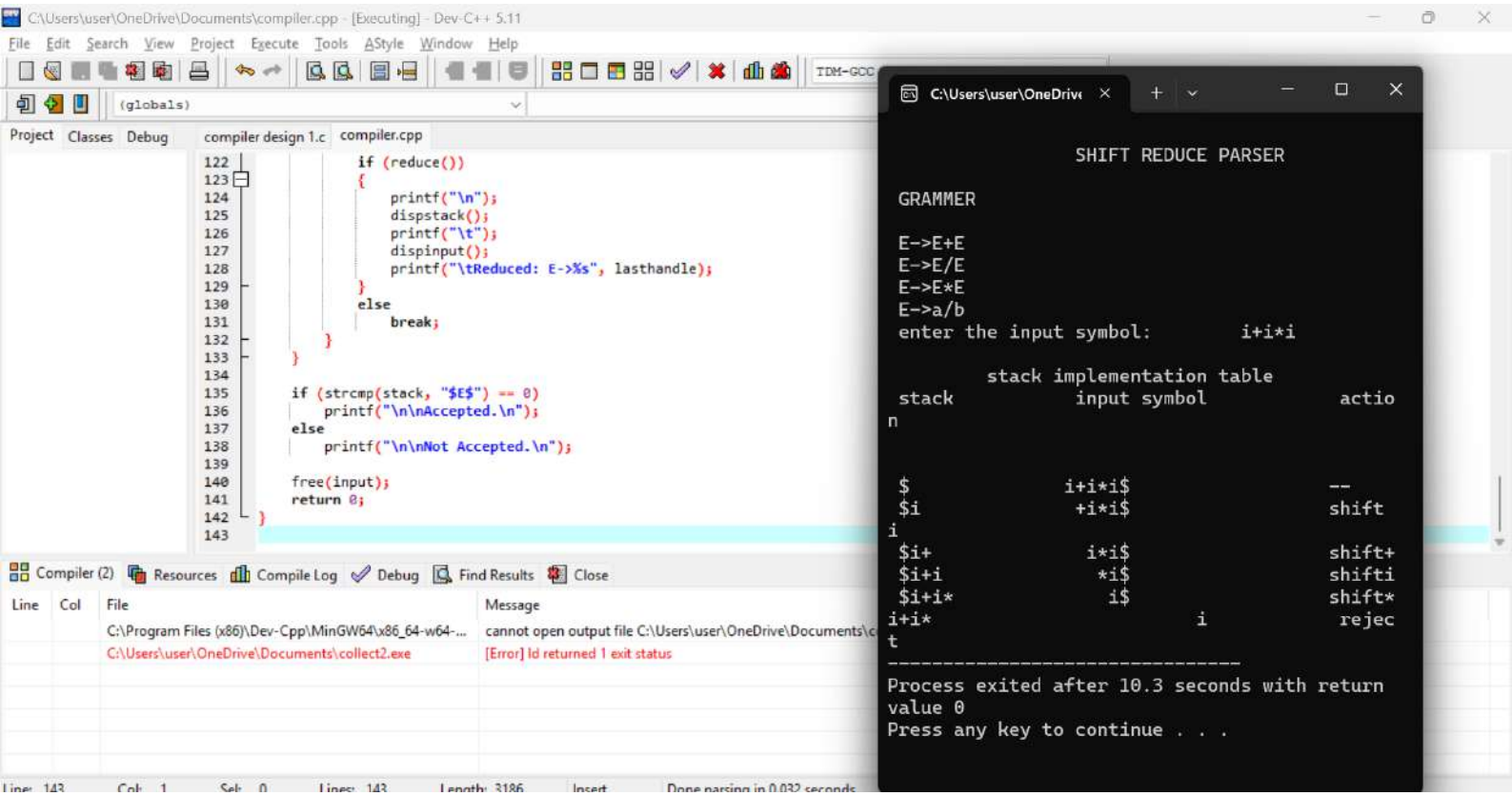

C:\Users\user\OneDrive\Documents\compiler.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug
compiler design 1.c
compiler.cpp
gets(string);
if(string[0]=='a') {
flag=0;
for (count=1;string[count-1]!='\0';count++) {
if(string[count]=='b') {
flag=1;
continue;
} else if((flag==1)&&(string[count]=='a')) {
printf("The string does not belong to the specified gram
break;
} else if(string[count]=='a')
continue; else if((flag==1)&&(string[count]='\0')) {
printf("String not accepted....!!!!");
break;
} else {
printf("String accepted");
}
}
}
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

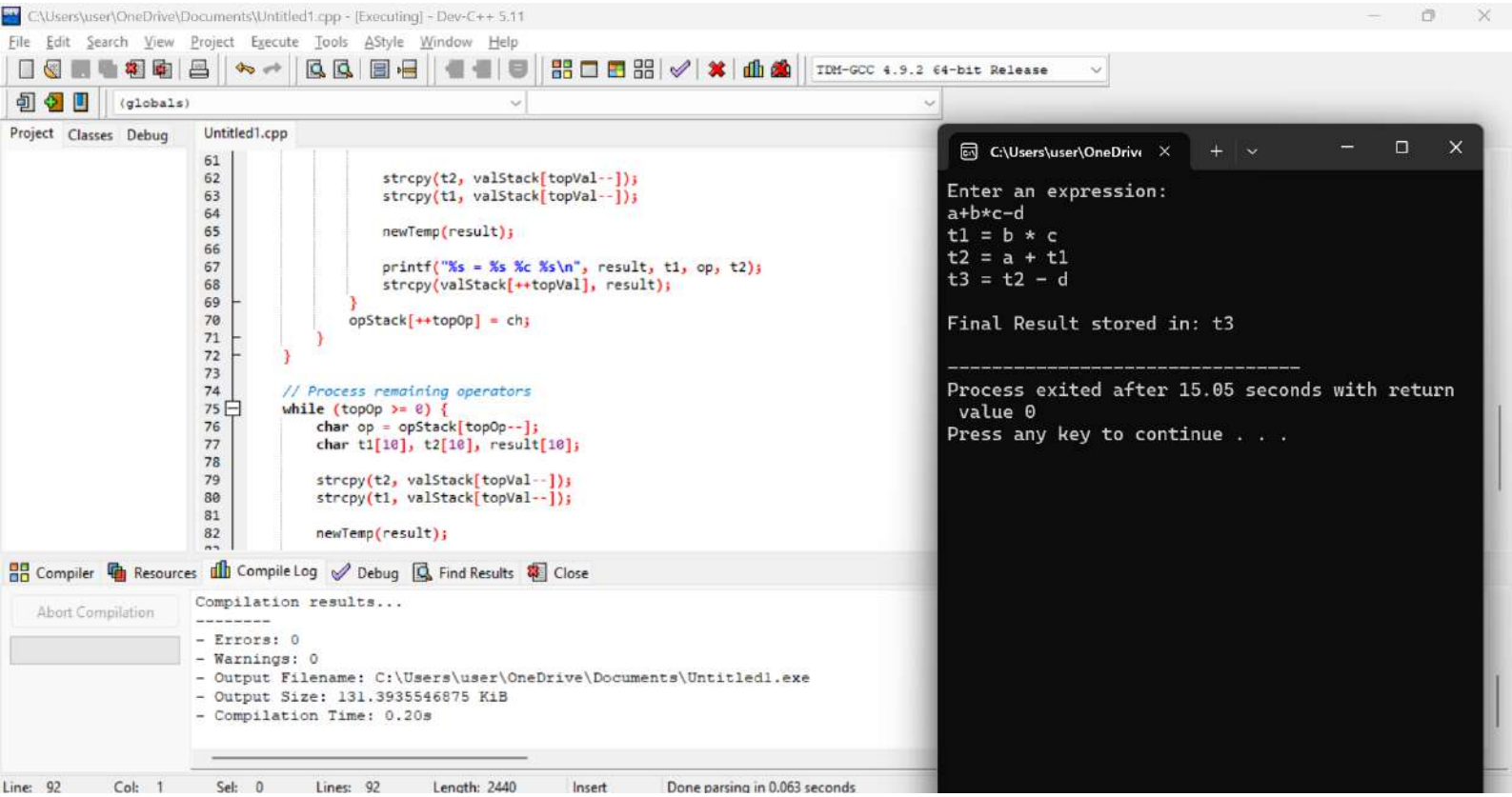
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 128.76953125 KiB
- Compilation Time: 0.22s
Line: 30 Col: 1 Sel: 0 Lines: 30 Length: 708 Insert Done parsing in 0.031 seconds
C:\Users\user\OneDriv
The grammar is: S->aS, S->Sb, S->ab
Enter the string to be checked:
abb
String accepted

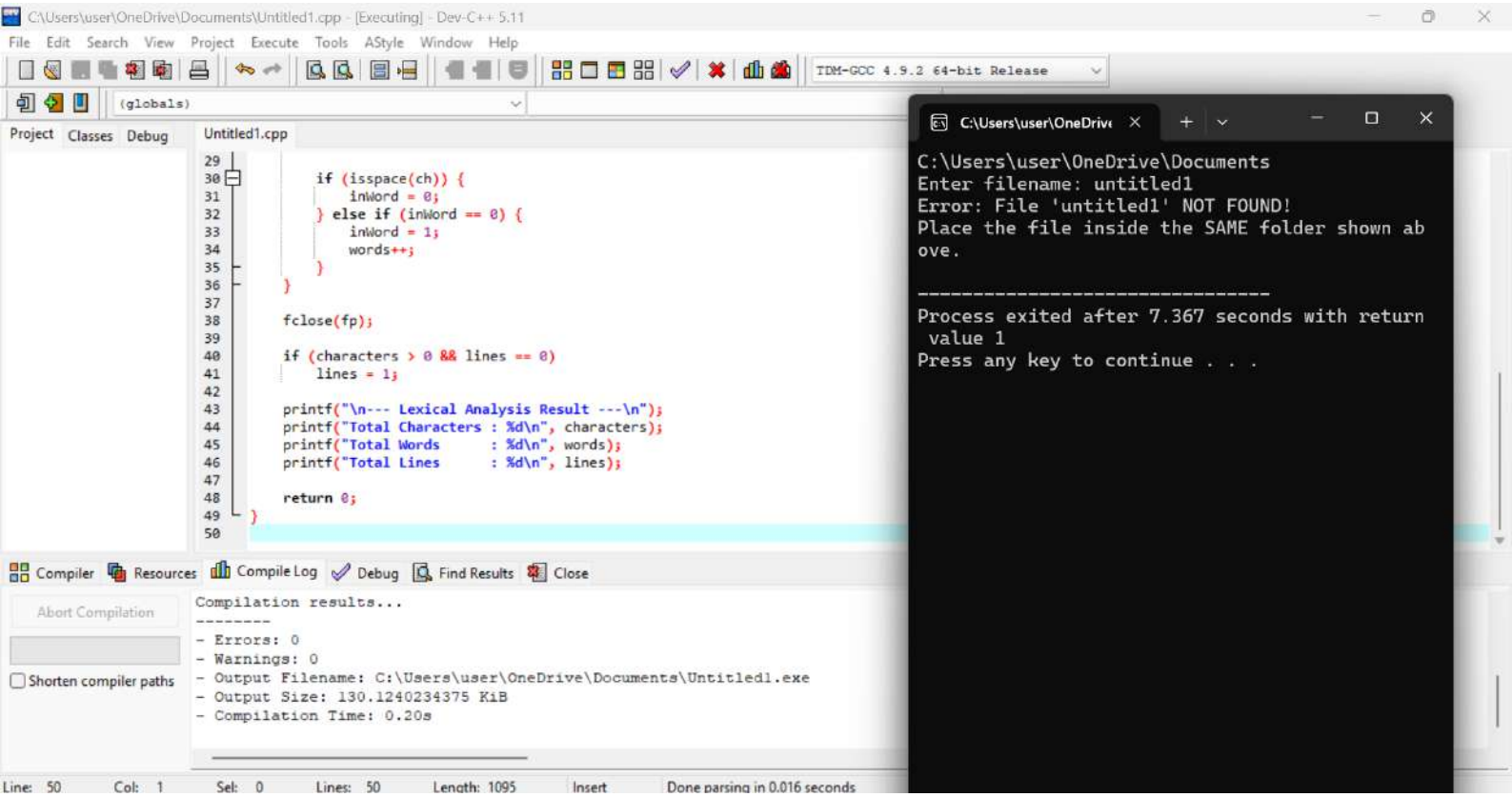
Process exited after 4.434 seconds with return value 0
Press any key to continue . . .

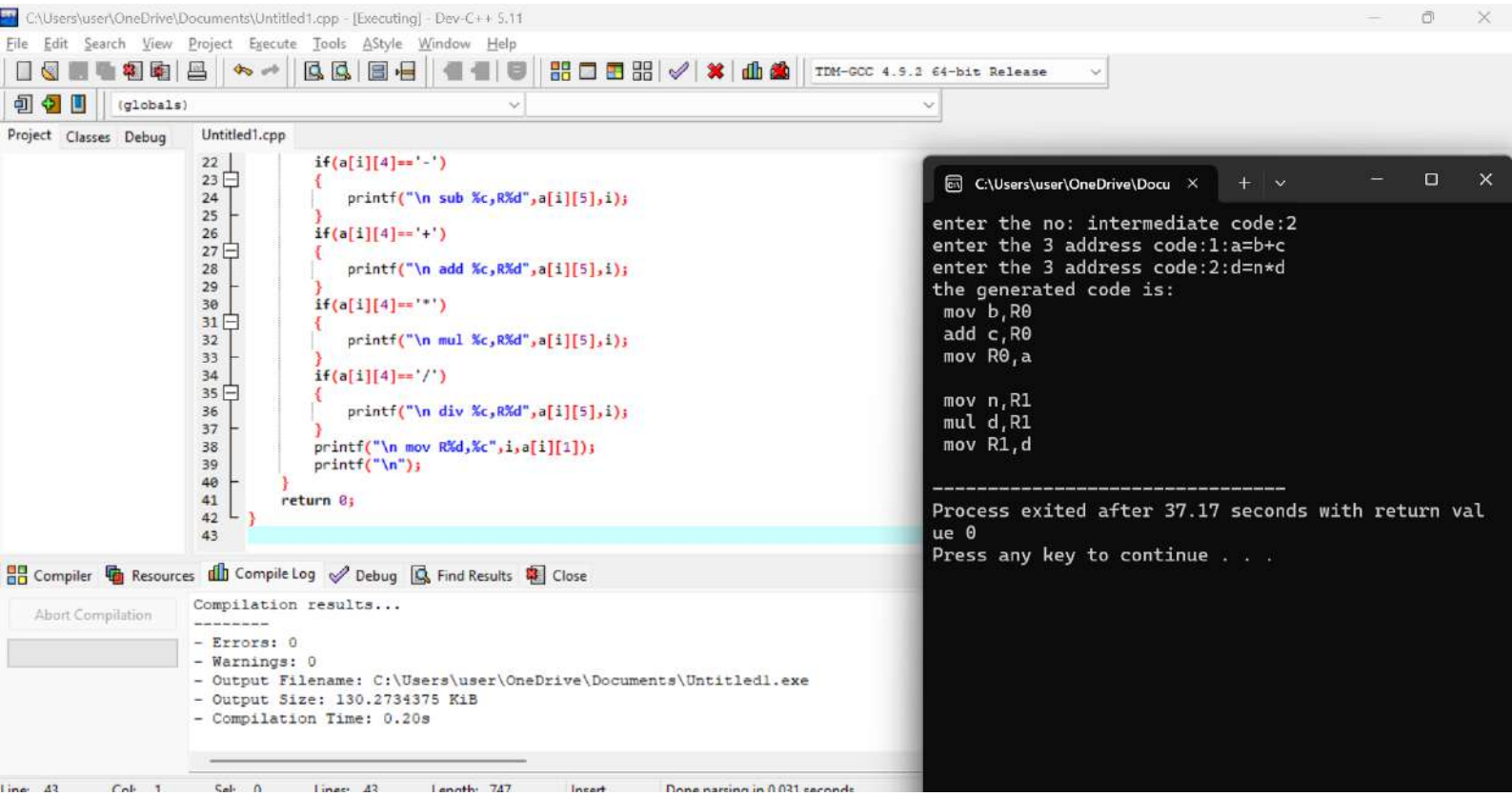

C:\Users\user\OneDrive\Documents\compiler.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
compiler design 1.c
compiler.cpp
40 strcpy(stack,"E"); st_ptr=0; if(!strcmpi(stack,"E+E"))
41 printf("\n $%s\t\t%s$\t\t\tE->E+E",stack,ip_sym); else
42 if(!strcmpi(stack,"E\E"))
43 printf("\n $%s\t\t%s$\t\t\tE->E\E",stack,ip_sym); else
44 if(!strcmpi(stack,"E*E"))
45 printf("\n $%s\t\t%s$\t\t\tE->E*E",stack,ip_sym); else
46 printf("\n $%s\t\t%s$\t\t\tE->E+E",stack,ip_sym); flag=1;
47 }
48
49 if(!strcmpi(stack,"E")&&ip_ptr==len)
50 {
51 printf("\n $%s\t\t%s$\t\t\tACCEPT",stack,ip_sym); getch();
52 exit(0);
53 }
54 if(flag==0)
55 {
56 printf("\n%s\t\t\t%s\t\t reject",stack,ip_sym); exit(0);
57 }
58 return;
59 }
60
61
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

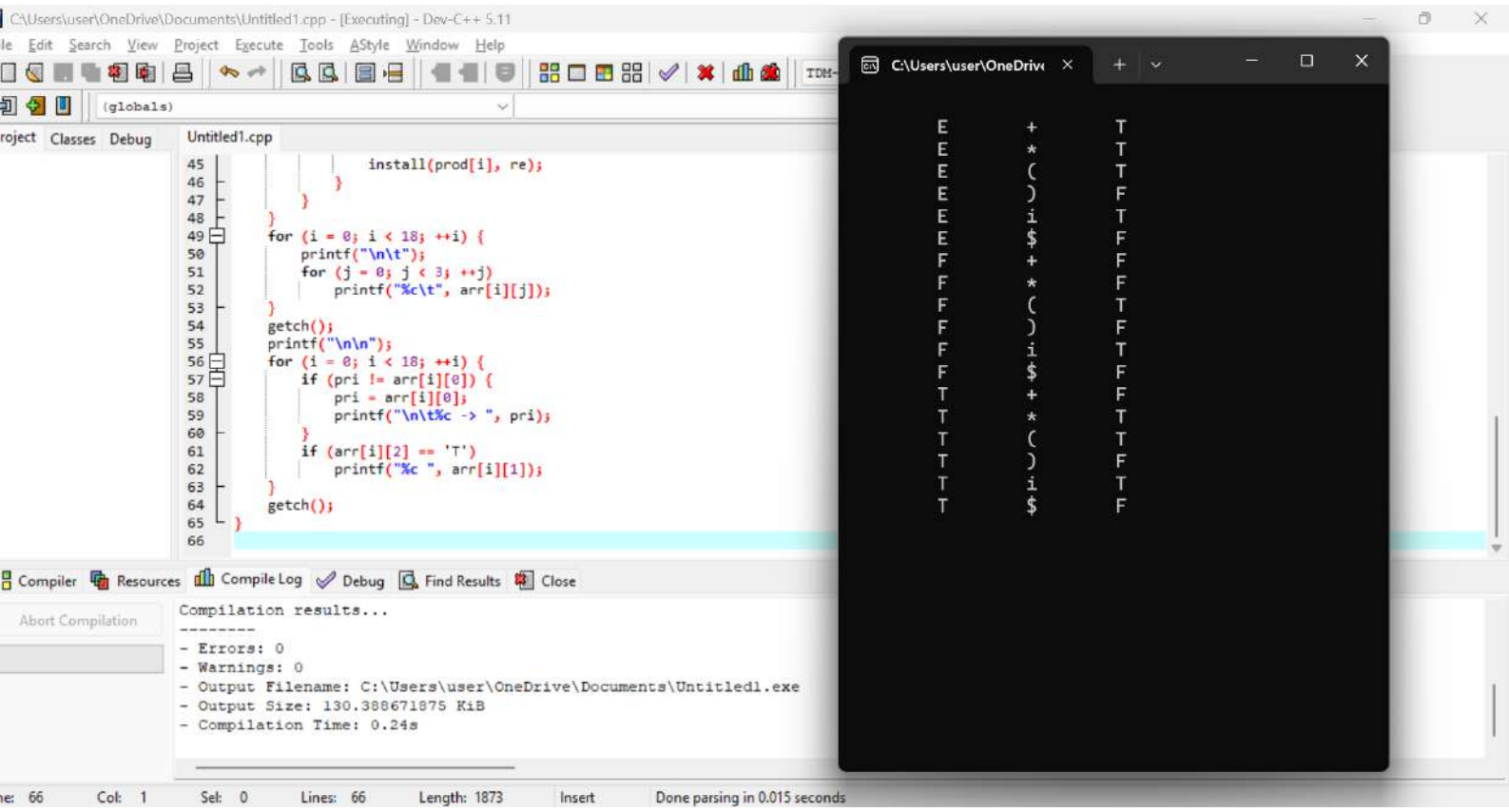
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\compiler.exe
- Output Size: 131.4677734375 KiB
- Compilation Time: 0.22s
Line: 61 Col: 1 Sel: 0 Lines: 61 Length: 1942 Insert Done parsing in 0.031 seconds
C:\Users\user\OneDrive\D
SHIFT REDUCE PARSER
GRAMMER
E->E+E
E->E/E
E->E*E
E->a/b
enter the input symbol: a+b
stack implementation table
stack input symbol action
$ a+b$ --
$a +b$ shift a
$E +b$ E->a
$E+ b$ shift+
$E+b $ shiftb
$E+E $ E->b
$E $ E->E+E
$E $ ACCEPT


C:\Users\user\OneDrive\Documents\compiler.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
Project Classes Debug
compiler design 1.c
compiler.cpp
if (reduce())
{
printf("\n");
dispstack();
printf("\t");
dispinput();
printf("\tReduced: E->%s", lasthandle);
}
else
break;
if (strcmp(stack, "E") == 0)
printf("\n\nAccepted.\n");
else
printf("\n\nNot Accepted.\n");
free(input);
return 0;
Compiler (2)
Resources
Compile Log
Debug
Find Results
Close
Line
Col
File
Message
C:\Program Files (x86)\Dev-Cpp\MinGW64\x86_64-w64-...
cannot open output file C:\Users\user\OneDrive\Documents\c
C:\Users\user\OneDrive\Documents\collect2.exe
[Error] ld returned 1 exit status
C:\Users\user\OneDrive
SHIFT REDUCE PARSER
GRAMMER
E->E+E
E->E/E
E->E*E
E->a/b
enter the input symbol: i+i*i
stack implementation table
stack input symbol actio
n
$ i+i*i$ --
$i +i*i$ shift
i
$i+ i*i$ shift+
$i+i *i$ shifti
$i+i* i$ shift*
i+i* i rejec
t
Process exited after 10.3 seconds with return
value 0
Press any key to continue . . .

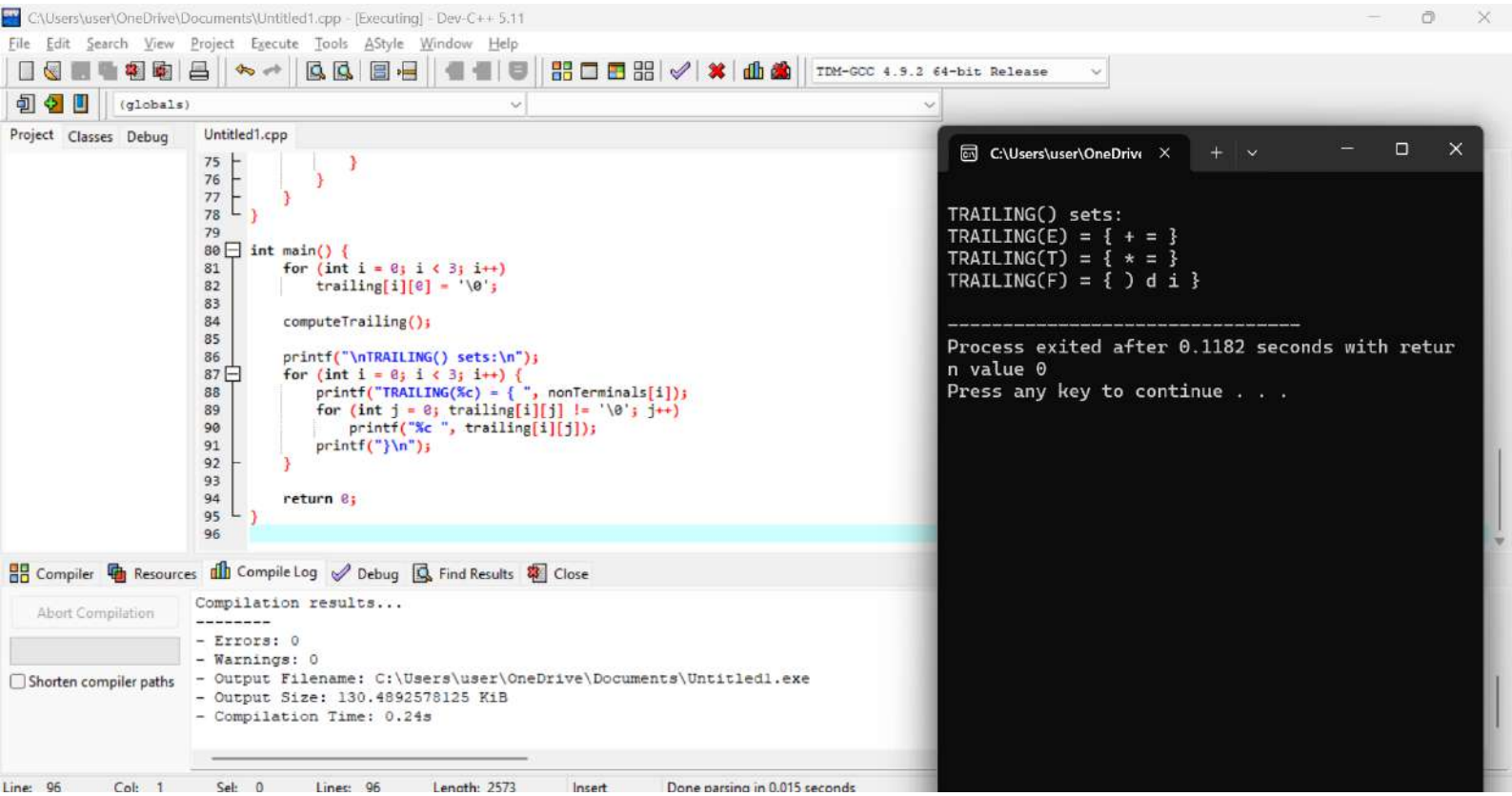

C:\Users\user\OneDrive\Documents\Untitled1.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
IDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
Untitled1.cpp
strcpy(t2, valStack[topVal--]);
strcpy(t1, valStack[topVal--]);
newTemp(result);
printf("%s = %s %c %s\n", result, t1, op, t2);
strcpy(valStack[++topVal], result);
opStack[++topOp] = ch;
// Process remaining operators
while (topOp >= 0) {
char op = opStack[topOp--];
char t1[10], t2[10], result[10];
strcpy(t2, valStack[topVal--]);
strcpy(t1, valStack[topVal--]);
newTemp(result);
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\Untitled1.exe
- Output Size: 131.3935546875 KiB
- Compilation Time: 0.20s
Line: 92 Col: 1 Sel: 0 Lines: 92 Length: 2440 Insert Done parsing in 0.063 seconds
C:\Users\user\OneDriv
Enter an expression:
a+b*c-d
t1 = b * c
t2 = a + t1
t3 = t2 - d
Final Result stored in: t3
Process exited after 15.05 seconds with return value 0
Press any key to continue . . .


C:\Users\user\OneDrive\Documents\Untitled1.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
Untitled1.cpp
if (isspace(ch)) {
inWord = 0;
} else if (inWord == 0) {
inWord = 1;
words++;
}
}
fclose(fp);
if (characters > 0 && lines == 0)
lines = 1;
printf("\n--- Lexical Analysis Result ---\n");
printf("Total Characters : %d\n", characters);
printf("Total Words : %d\n", words);
printf("Total Lines : %d\n", lines);
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\Untitled1.exe
- Output Size: 130.1240234375 KiB
- Compilation Time: 0.20s
Line: 50 Col: 1 Sel: 0 Lines: 50 Length: 1095 Insert Done parsing in 0.016 seconds
C:\Users\user\OneDrive\Documents
Enter filename: untitled1
Error: File 'untitled1' NOT FOUND!
Place the file inside the SAME folder shown above.
Process exited after 7.367 seconds with return value 1
Press any key to continue . . .


C:\Users\user\OneDrive\Documents\Untitled1.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
Untitled1.cpp
if(a[i][4]=='-')
{
printf("\n sub %c,R%d",a[i][5],i);
}
if(a[i][4]=='+')
{
printf("\n add %c,R%d",a[i][5],i);
}
if(a[i][4]=='*')
{
printf("\n mul %c,R%d",a[i][5],i);
}
if(a[i][4]=='/')
{
printf("\n div %c,R%d",a[i][5],i);
}
printf("\n mov R%d,%c",i,a[i][1]);
printf("\n");
}
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\Untitled1.exe
- Output Size: 130.2734375 KiB
- Compilation Time: 0.20s
C:\Users\user\OneDrive\Docu
enter the no: intermediate code:2
enter the 3 address code:1:a=b+c
enter the 3 address code:2:d=n*d
the generated code is:
mov b,R0
add c,R0
mov R0,a
mov n,R1
mul d,R1
mov R1,d
Process exited after 37.17 seconds with return value 0
Press any key to continue . . .


C:\Users\user\OneDrive\Documents\Untitled1.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
(globals)
Project Classes Debug
Untitled1.cpp
install(prod[i], re);
}
}
}
for (i = 0; i < 18; ++i) {
printf("\n\t");
for (j = 0; j < 3; ++j)
printf("%c\t", arr[i][j]);
}
getch();
printf("\n\n");
for (i = 0; i < 18; ++i) {
if (pri != arr[i][0]) {
pri = arr[i][0];
printf("\n\t%c -> ", pri);
}
if (arr[i][2] == 'T')
printf("%c ", arr[i][1]);
}
getch();
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\Untitled1.exe
- Output Size: 130.388671875 KiB
- Compilation Time: 0.24s
Col: 1 Sel: 0 Lines: 66 Length: 1873 Insert Done parsing in 0.015 seconds
C:\Users\user\OneDrive
E + T
E * T
E (T
E) F
E i T
E $ F
F + F
F * F
F (T
F) F
F i T
F $ F
T + F
T * T
T (T
T) F
T i T
T $ F


C:\Users\user\OneDrive\Documents\Untitled1.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
Untitled1.cpp
}
}
}
}
int main() {
for (int i = 0; i < 3; i++)
trailing[i][0] = '\0';
computeTrailing();
printf("\nTRAILING() sets:\n");
for (int i = 0; i < 3; i++) {
printf("TRAILING(%c) = { ", nonTerminals[i]);
for (int j = 0; trailing[i][j] != '\0'; j++)
printf("%c ", trailing[i][j]);
printf("}\n");
}
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths
Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\user\OneDrive\Documents\Untitled1.exe
- Output Size: 130.4892578125 KiB
- Compilation Time: 0.24s
Line: 96 Col: 1 Sel: 0 Lines: 96 Length: 2573 Insert Done parsing in 0.015 seconds
C:\Users\user\OneDriv
TRAILING() sets:
TRAILING(E) = { + = }
TRAILING(T) = { * = }
TRAILING(F) = {) d i }
Process exited after 0.1182 seconds with retur
n value 0
Press any key to continue . . .