

```
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

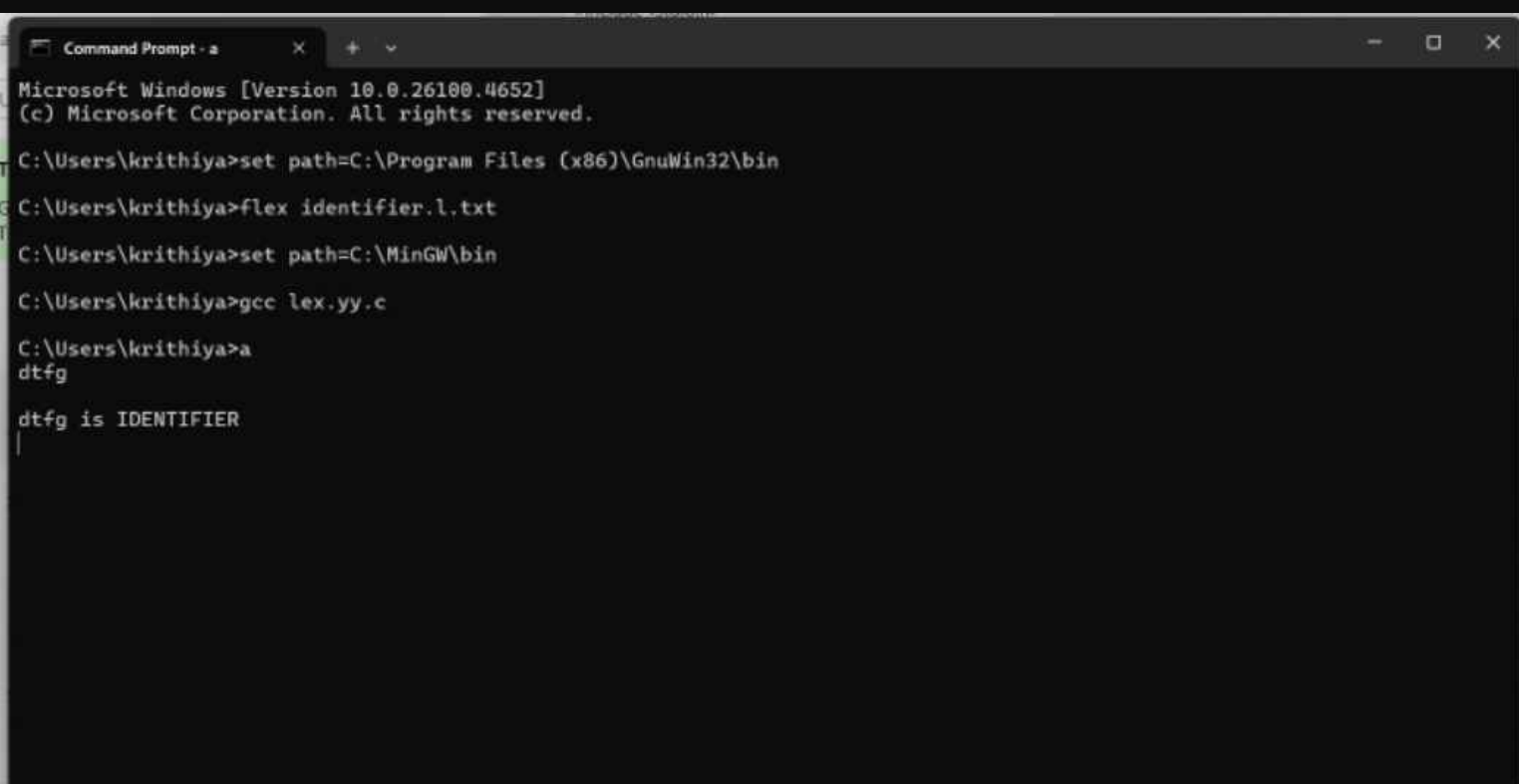
C:\Users\krithiya>flex email.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter the mail: govukrithi@gmail.com
It is valid

|
```



```
Command Prompt - a
Microsoft Windows [Version 10.0.26100.4652]
(c) Microsoft Corporation. All rights reserved.

C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex identifier.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
dtfg

dtfg is IDENTIFIER

|
```

```
mobile1 - Cop  mobile.txt  email.txt  Addline.txt  identifier1.txt  simple1.txt  outnew.txt x +
File Edit View H1  B I  A
1:#include <stdio.h>
2:int main()
3:int a,b;
4:printf("enter a:,enter b:")
5:c=a+b;
6:printf("the sum of a+b=",c)

Ln 1, Col 1  119 characters  Plain text  100%  Windows (CRLF)  UTF-8
```

```
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex vowel.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter a string: aeiou
Accepted: String starts with a vowel
```

```
Command Prompt - a  X + v
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex length.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter text (Ctrl+D to end):
longestword.l
^D
```

```
Command Prompt - a  X + v
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex frequency.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter the word to search: hello
Enter the sentence: hello there,hello world!
```

```
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

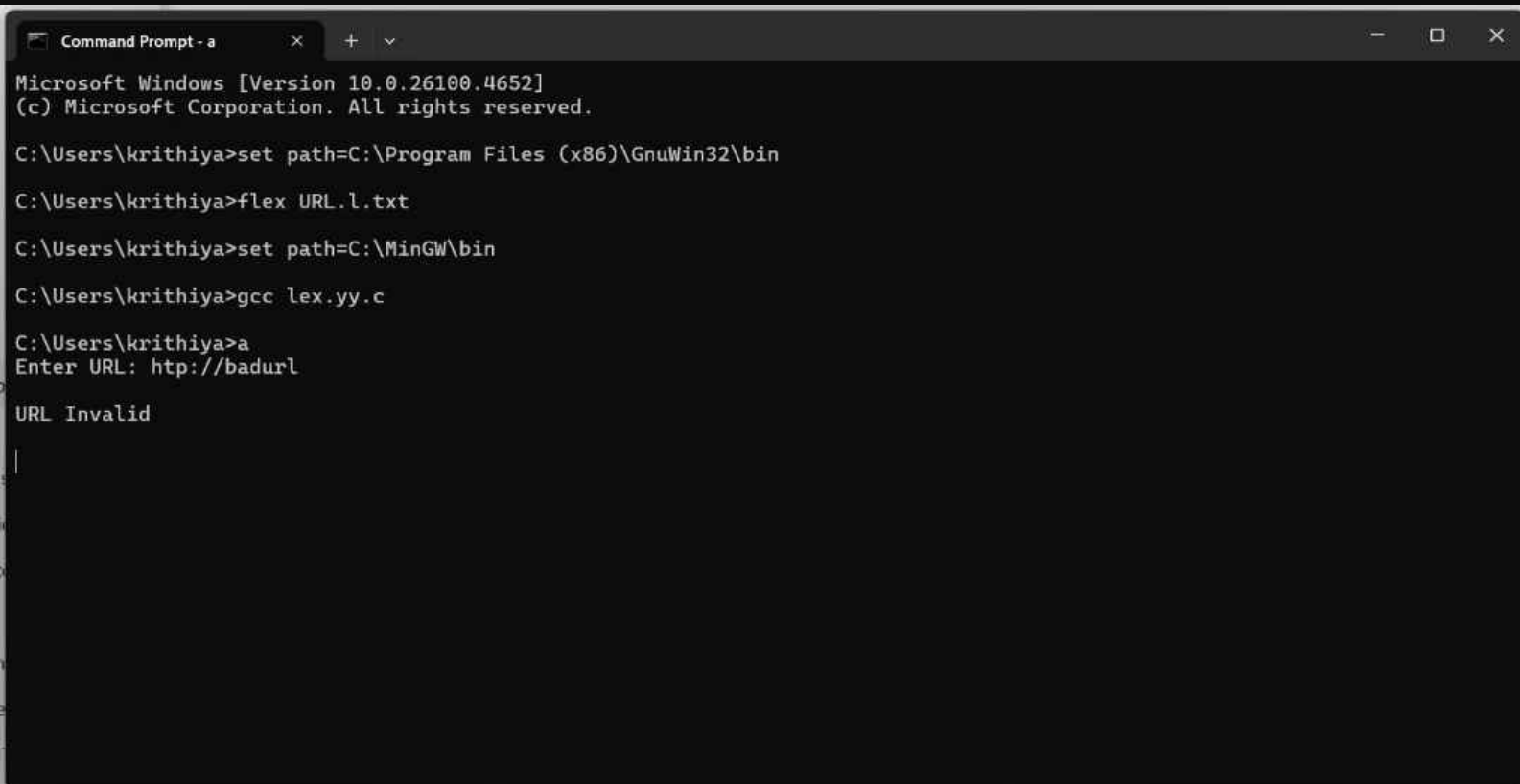
C:\Users\krithiya>flex DOB.l
flex: can't open DOB.l

C:\Users\krithiya>flex DOB.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
06/09/2006
valid
```



```
Command Prompt - a
Microsoft Windows [Version 10.0.26100.4652]
(c) Microsoft Corporation. All rights reserved.

C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex URL.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter URL: http://badurl

URL Invalid
```

```
Command Prompt
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex comment.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter code (end with Ctrl+D):
#include<stdio.h>
// This is a single-line comment
int main() {
    /* Multi-line
       comment block */
    return 0;
}

^Z
Number of comment statements: 2

C:\Users\krithiya>
```

```
Command Prompt
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex character.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
I want coffee please
^Z
Characters: 21
Words: 2
Lines: 1

C:\Users\krithiya>
```

```
Command Prompt - a  x + v
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex digit.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter input: 5
5 is a DIGIT

|
```

```
Command Prompt - a  x + v
Microsoft Windows [Version 10.0.26100.4652]
(c) Microsoft Corporation. All rights reserved.

C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex substring.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter the string: ablx
ABX

|
```

```
Command Prompt - a
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex keyword.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a
Enter code (end with Ctrl+D):
int x = 10;

int is a KEYWORD
x is an IDENTIFIERfor(i=0;i<5;i++)

for is a KEYWORD
i is an IDENTIFIER
i is an IDENTIFIER
i is an IDENTIFIER{
    while(x>0) x--;

while is a KEYWORD
x is an IDENTIFIER
x is an IDENTIFIER}]
```

```
Command Prompt - a
Microsoft Windows [Version 10.0.26100.4652]
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C:\Users\krithiya>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\krithiya>flex mobile.l.txt

C:\Users\krithiya>set path=C:\MinGW\bin

C:\Users\krithiya>gcc lex.yy.c

C:\Users\krithiya>a

enter the mobile number:1234567890

mobile number invalid

9876543210

mobile number valid
```

C:\Users\Administrator\Documents\backend of the compiler.c - [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 C > shift reduce parsing.c operator precedence parsing.c backend of the compiler.c

```
1 #include<stdio.h>
2 #include<conio.h>
3 #include<string.h>
4 int main()
5 {
6     int n,i,j;
7     char a[50][50];
8     printf("enter the no: intermediate code:");
9     scanf("%d",&n);
10    for(i=0;i<n;i++)
11    {
12        printf("enter the 3 address code:%d:",i+1);
13        for(j=0;j<6;j++)
14        {
15            scanf("%c",&a[i][j]);
16        }
17    }
18    printf("the generated code is:");
19    for(i=0;i<n;i++)
20    {
21        printf("\n mov %c,R%d",a[i][3],i);
22        if(a[i][4]=='-')
23        {
24            printf("\n sub %c,R%d",a[i][5],i);
25        }
26        if(a[i][4]=='+')
27        {
28            printf("\n add %c,R%d",a[i][5],i);
29        }
30    }
```

Compiler (3) Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Line: 16 Col: 10 Sel: 0 Lines: 42 Length: 743

C:\Users\Administrator\Documents\commentbegin.c - [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 C > identifier,operators.c commentbegin.c

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <stdbool.h>
4 bool isSingleLineComment(const char *line) {
5     return (strcmp(line, "//", 2) == 0);
6 }
7 bool isMultilineComment(const char *line) {
8     int len = strlen(line);
9     return (len >= 4 && strstr(line, "/*") != NULL && strstr(line, "*/") != NULL);
10 }
11 int main() {
12     char line[1000];
13     printf("Enter a line: ");
14     fgets(line, sizeof(line), stdin);
15     line[strcspn(line, "\n")] = '\0';
16     if (isSingleLineComment(line)) {
17         printf("This is a single-line comment.\n");
18     }
19     else if (isMultilineComment(line)) {
20         printf("This is a multi-line comment.\n");
21     }
22     else {
23         printf("This is not a comment.\n");
24     }
25     return 0;
26 }
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Line: 26 Col: 2 Sel: 0 Lines: 26 Length: 740 Insert Done parsing in 0.062 seconds

Output Filename: C:\Users\Administrator\Documents\commentbegin.exe  
Output Size: 323.869140625 KiB  
Compilation Time: 0.59s

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 30.9 seconds with return value 0  
Press any key to continue . . .

C:\Users\Administrator\Documents\commentbegin.c - [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 C > identifier,operators.c commentbegin.c

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <stdbool.h>
4 bool isSingleLineComment(const char *line) {
5     return (strcmp(line, "//", 2) == 0);
6 }
7 bool isMultilineComment(const char *line) {
8     int len = strlen(line);
9     return (len >= 4 && strstr(line, "/*") != NULL && strstr(line, "*/") != NULL);
10 }
11 int main() {
12     char line[1000];
13     printf("Enter a line: ");
14     fgets(line, sizeof(line), stdin);
15     line[strcspn(line, "\n")] = '\0';
16     if (isSingleLineComment(line)) {
17         printf("This is a single-line comment.\n");
18     }
19     else if (isMultilineComment(line)) {
20         printf("This is a multi-line comment.\n");
21     }
22     else {
23         printf("This is not a comment.\n");
24     }
25     return 0;
26 }
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Line: 26 Col: 2 Sel: 0 Lines: 26 Length: 740 Insert Done parsing in 0.062 seconds

Output Filename: C:\Users\Administrator\Documents\commentbegin.exe  
Output Size: 323.869140625 KiB  
Compilation Time: 0.66s

Enter a line: //comment line  
This is a single-line comment.  
  
-----  
Process exited after 41.97 seconds with return value 0  
Press any key to continue . . .



(globals)

```

Project C < identifier,operators.c
1 #include<stdio.h>
2 #include<ctype.h>
3 #include<string.h>
4 int main()
5 {
6     int i,ic=0,m,cc=0,oc=0,j;
7     char b[30],operators[30],identifiers[30],constants[30];
8     printf("enter the string : ");
9     scanf("%[^\n]s",&b);
10    for(i=0;i<strlen(b);i++)
11    {
12        if(isspace(b[i]))
13        {
14            continue;
15        }
16        else if(isalpha(b[i]))
17        {
18            identifiers[ic] =b[i];
19            ic++;
20        }
21        else if(isdigit(b[i]))
22        {
23            m=(b[i]-'0');
24            i=i+1;
25            while(isdigit(b[i]))
26            {
27                m=m*10 + (b[i]-'0');
28                i++;
29            }

```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

```

- Output Filename: C:\Users\Administrator\Documents\10
- Output Size: 323.650390625 KiB
- Compilation Time: 0.69s

```

☐ Shorten compiler path

Line: 74 Col: 1 Sel: 0 Lines: 74 Length: 1389 Insert Done parsing in 0.609 seconds

C:\Users\Administrator\Documents\subexpression.c - [Executing] - Embarcadero Dev-C++ 6.3

(globals)

Project C &lt; cw\c subexpression.c

```

1 #include <stdio.h>
2 #include <string.h>
3 #define MAX 100
4 typedef struct {
5     char result[10];
6     char arg1[10];
7     char op[3];
8     char arg2[10];
9 } Expression;
10 int is_common(Expression e1, Expression e2) {
11     return (strcmp(e1.arg1, e2.arg1) == 0 &&
12             strcmp(e1.arg2, e2.arg2) == 0 &&
13             strcmp(e1.op, e2.op) == 0);
14 }
15 int main() {
16     Expression expr[MAX], optimized[MAX];
17     int n, i, j, k = 0, found;
18     printf("Enter the number of expressions: ");
19     scanf("%d", &n);
20     printf("Enter expressions in the form: result = arg1 op arg2\n");
21     for (i = 0; i < n; i++) {
22         printf("Expression %d: ", i + 1);
23         scanf("%s = %s %s %s", expr[i].result, expr[i].arg1, expr[i].op, expr[i].arg2);
24     }
25     for (i = 0; i < n; i++) {
26         found = 0;
27         for (j = 0; j < k; j++) {
28             if (is_common(expr[i], optimized[j])) {
29                 printf("Optimized: %s = %s\n", expr[i].result, optimized[j].result);

```

Compiler (1) Resources Compile Log Debug Find Results Console Close

Abort Compilation

```

- Output Filename: C:\Users\Administrator\Documents\subexpression.exe
- Output Size: 324.1513671875 KiB
- Compilation Time: 0.22s

```

☐ Shorten compiler path

Line: 24 Col: 6 Sel: 0 Lines: 48 Length: 1462 Insert Done parsing in 0.046 seconds

C:\Users\Administrator\Documents\identifier,operators.c

```

enter the string : a+7*b/4
identifiers : a b
constants : 7 4
operators : + *

```

```

-----
Process exited after 14.37 seconds with return value 0
Press any key to continue . . .

```

C:\Users\Administrator\Documents\subexpression.c

```

Enter the number of expressions: 3
Enter expressions in the form: result = arg1
op arg2
Expression 1: t1=a+b
t2=a+b
Expression 2: t3=t1
Expression 3: t3=t1+c
Kept    : t1=a+b = eC
Kept    : t2=a+b =
Kept    : t3=t1 =

Final Optimized Code:
t1=a+b = eC
t2=a+b =
t3=t1 =

```

```

-----
Process exited after 55.01 seconds with return value 0
Press any key to continue . . .

```

```
C:\Users\Administrator\Documents\recursive decent parsing.c - [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 C left recursion.c left factoring.c symbol table.c recursive decent parsing.c
1 #include<stdio.h>
2 #include<conio.h>
3 #include<string.h>
4 char input[100];
5 int i,l;
6 void main()
7 {
8     printf("\nRecursive descent parsing for the following grammar\n");
9     printf("\nE->TE' \nE'->+TE' / @ \nT->FT' \nT'->*FT' / @ \nF->(E) / ID \n");
10    printf("\nEnter the string to be checked:");
11    gets(input);
12    if(E())
13    {
14        if(input[i+1]!='\0')
15        printf("\nString is accepted");
16        else
17        printf("\nString is not accepted");
18    }
19    else
20    printf("\nString not accepted");
21    getch();
22    }
23    E()
24    {
25        if(T())
26        {
27            if(EP())
28            return(1);
29            else
```

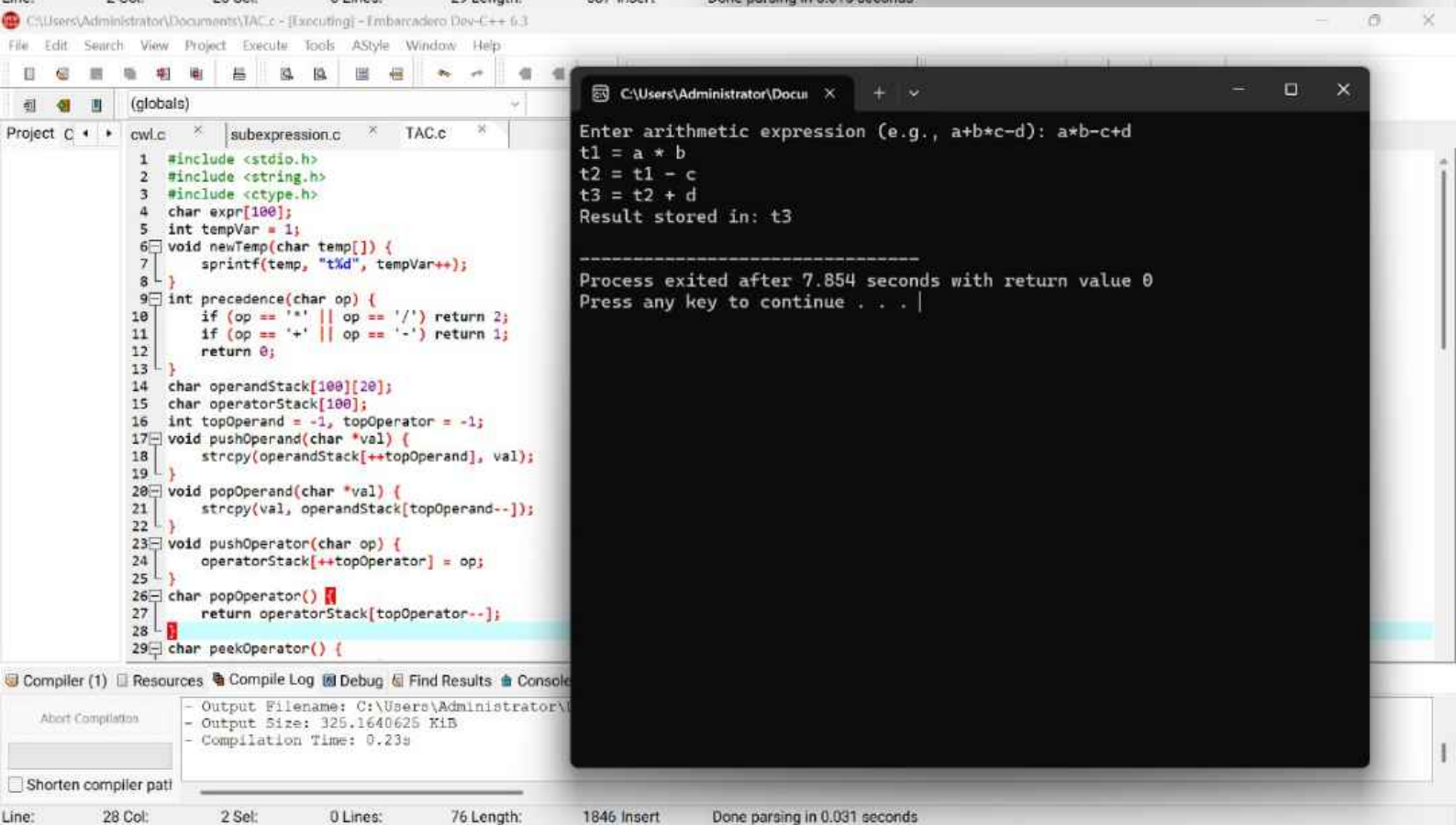
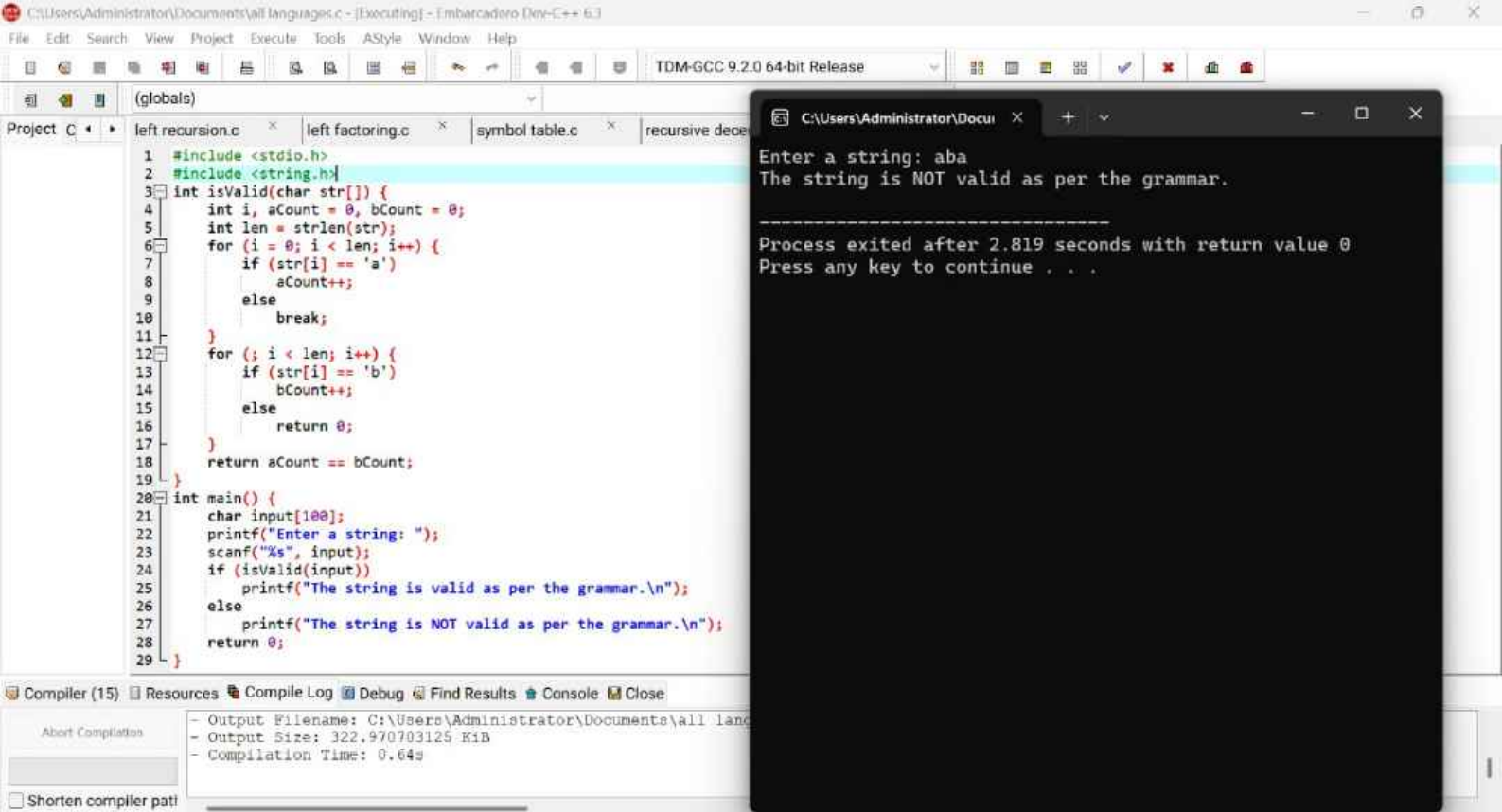
```
C:\Users\Administrator\Documents\recursive decent parsing.c
Recursive descent parsing for the following grammar
E->TE'
E'->+TE' / @
T->FT'
T'->*FT' / @
F->(E) / ID
Enter the string to be checked:(a+b)*c
String is accepted
-----
Process exited after 19.08 seconds with return value 13
Press any key to continue . . .
```

```
Compiler (16) Resources Compile Log Debug Find Results Console Close
Line Col File Message
12 4 C:\Users\Administrator\Documents\recursive dec... [Warning] implicit declaration of function
C:\Users\Administrator\Documents\recursive dec... At top level:
Line: 11 Col: 1 Sel: 0 Lines: 108 Length: 1146 Insert Do
```

```
C:\Users\Administrator\Documents\left factoring.c - [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 C left recursion.c left factoring.c
1 #include<stdio.h>
2 #include<string.h>
3 int main()
4 {
5     char gram[20],part1[20],part2[20],modifiedGram[20],newGram[20],tempGram[20];
6     int i,j=0,k=0,l=0,pos;
7     printf("Enter Production : S->");
8     gets(gram);
9     for(i=0;gram[i]!='\0';i++,j++)
10        part1[j]=gram[i];
11    part1[j]='\0';
12    for(j=0;part1[j]!='\0';j++,i++)
13        part2[i]=gram[j];
14    part2[i]='\0';
15    for(i=0;i<strlen(part1)||i<strlen(part2);i++)
16    {
17        if(part1[i]==part2[i])
18        {
19            modifiedGram[k]=part1[i];
20            k++;
21            pos=i+1;
22        }
23    }
24    for(i=pos,j=0;part1[i]!='\0';i++,j++){
25        newGram[j]=part1[i];
26    }
27    newGram[j++]='\0';
28    for(i=pos;part2[i]!='\0';i++,j++){
29        newGram[j]=part2[i];
```

```
C:\Users\Administrator\Documents\left factoring.c
Enter Production : S->iEtS|iEtSeS|a
S->iEtSX
X->|eS|a
-----
Process exited after 116.6 seconds with return value 0
Press any key to continue . . .
```

```
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
- Output Filename: C:\Users\Administrator\Documents\left f
- Output Size: 323.283203125 KiB
- Compilation Time: 0.67s
Shorten compiler path
Line: 37 Col: 1 Sel: 0 Lines: 37 Length: 1109 Insert
```







```
C:\Users\Administrator\Documents\shift reduce parsing - 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 C > shift reduce parsing.c
25 void check()
26 {
27     int flag=0; temp2[0]=stack[st_ptr]; temp2[1]='\0';
28     if((!strcmpi(temp2,"a"))||(!strcmpi(temp2,"b")))
29     {
30         stack[st_ptr]='E'; if(!strcmpi(temp2,"a"))
31         printf("\n %s\t\t%s\t\t\tE->a",stack,ip_sym); else
32         printf("\n %s\t\t%s\t\t\tE->b",stack,ip_sym); flag=1;
33     }
34     if((!strcmpi(temp2,"+")||(!strcmpi(temp2,"*"))||(!strcmpi(temp2,"/"))
35     {
36         flag=1;
37     }
38     if((!strcmpi(stack,"E+E"))||(!strcmpi(stack,"E/E"))||(!strcmpi(stack,"E*E"))
39     {
40         strcpy(stack,"E"); st_ptr=0; if(!strcmpi(stack,"E+E"))
41         printf("\n %s\t\t%s\t\t\tE->E+",stack,ip_sym); else
42         if(!strcmpi(stack,"E/E"))
43         printf("\n %s\t\t%s\t\t\tE->E/",stack,ip_sym); else
44         if(!strcmpi(stack,"E*E"))
45         printf("\n %s\t\t%s\t\t\tE->E*",stack,ip_sym); else
46         printf("\n %s\t\t%s\t\t\tE->E+",stack,ip_sym); flag=1;
47     }
48     if(!strcmpi(stack,"E")&&ip_ptr==len)
49     {
50         printf("\n %s\t\t%s\t\t\tACCEPT",stack,ip_sym); getch();
51         exit(0);
52     }
53 }
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
Output Filename: C:\Users\Administrator\Documents\shift reduce pars
Output Size: 325.1630859375 KiB
Compilation Time: 2.27s
Shorten compiler path
Line: 59 Col: 2 Sel: 0 Lines: 59 Length: 1936 Insert Done parsing in
```

```
C:\Users\Administrator\Docu...
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 table 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\Administrator\Documents\left recursion.c - j[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 C > left recursion.c
1 #include<stdio.h>
2 #include<string.h>
3 #define SIZE 10
4 int main () {
5     char non_terminal;
6     char beta,alpha;
7     int num;
8     char production[10][SIZE];
9     int index=3;
10    printf("Enter Number of Production : ");
11    scanf("%d",&num);
12    printf("Enter the grammar as E->E-A :\n");
13    for(int i=0;i<num;i++){
14        scanf("%s",production[i]);
15    }
16    for(int i=0;i<num;i++){
17        printf("\nGRAMMAR : : %s",production[i]);
18        non_terminal=production[i][0];
19        if(non_terminal==production[i][index]) {
20            alpha=production[i][index+1];
21            printf(" is left recursive.\n");
22            while(production[i][index]!=0 && production[i][index]!='|')
23                index++;
24            if(production[i][index]!=0) {
25                beta=production[i][index+1];
26                printf("Grammar without left recursion:\n");
27                printf("%c->%c%c'",non_terminal,beta,non_terminal);
28                printf("\n%c\''->%c%c'|E'\n",non_terminal,alpha,non_terminal);
29            }
30        }
31    }
32 }
Compiler Resources Compile Log Debug Find Results Console Close
Abort Compilation
Output Filename: C:\Users\Administrator\Documents\left recursion.exe
Output Size: 323.453125 KiB
Compilation Time: 0.64s
Shorten compiler path
Line: 32 Col: 16 Sel: 0 Lines: 38 Length: 1427 Insert Done parsing in 0.047 s
```

```
C:\Users\Administrator\Docu...
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 50.64 seconds with return val
ue 0
Press any key to continue . . .
```

C:\Users\Administrator\Documents\vowels and consonants.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 C > cw1.c x subexpression.c x TAC.c x [\*] vowels and consonants.cpp x

```
1 #include <stdio.h>
2 #include <ctype.h>
3
4 int main() {
5     char sentence[1000];
6     int vowel_count = 0, consonant_count = 0;
7
8     printf("Enter a sentence: ");
9     fgets(sentence, sizeof(sentence), stdin);
10
11     for (int i = 0; sentence[i] != '\0'; i++) {
12         char ch = tolower(sentence[i]);
13
14         if (isalpha(ch)) {
15             if (ch == 'a' || ch == 'e' || ch == 'i' || ch == 'o' || ch == 'u') {
16                 vowel_count++;
17             } else {
18                 consonant_count++;
19             }
20         }
21     }
22
23     printf("Number of vowels : %d\n", vowel_count);
24     printf("Number of consonants: %d\n", consonant_count);
25
26     return 0;
27 }
28
```

Compiler (1) Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Output Filename: C:\Users\Administrator\Documents\vowels and consonants.exe  
Output Size: 323.6533203125 KiB  
Compilation Time: 0.45s

C:\Users\Administrator x + - □ x

Enter a sentence: saveetha school of engineer  
ing  
Number of vowels : 12  
Number of consonants: 15

-----

Process exited after 16.56 seconds with return value 0  
Press any key to continue . . . |

C:\Users\Administrator\Documents\symbol table.c - [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 C > left recursion.c x left factoring.c x symbol table.c x Untitled4 x

```
1 #include<stdio.h>
2 #include<stdlib.h>
3 #include<string.h>
4 int cnt=0;
5 struct symtab
6 {
7     char label[20];
8     int addr;
9 }
10 sy[50];
11 void insert();
12 int search(char *);
13 void display();
14 void modify();
15 int main()
16 {
17     int ch,val;
18     char lab[10];
19     do
20     {
21         printf("\n1.insert\n2.display\n3.search\n4.modify\n5.exit\n");
22         scanf("%d",&ch);
23         switch(ch)
24         {
25             case 1:
26                 insert();
27                 break;
28             case 2:
29                 display();
30         }
31     } while(ch>0);
32 }
```

Compiler Resources Compile Log Debug Find Results Console Close

Abort Compilation

Shorten compiler path

Output Filename: C:\Users\Administrator\Documents\symbol table.exe  
Output Size: 324.900390625 KiB  
Compilation Time: 0.69s

C:\Users\Administrator x + - □ x

1.insert  
2.display  
3.search  
4.modify  
5.exit  
1  
enter the labela  
enter the address100

1.insert  
2.display  
3.search  
4.modify  
5.exit  
2  
a 100

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  
5

-----

Process exited after 15.72 seconds with return value 0