

```
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             ... ..

```

Abort Compilation

☐ Shorten compiler paths

```
-----
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ranjith kumar\OneDrive\Documents\c.d exp1.exe
- Output Size: 129.9453125 KiB
- Compilation Time: 1.05s

```

C:\Users\ranjith kumar\OneDrive\Documents\c.d exp1.cpp - [Executing] - Dev-C++ 5.11

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(globals)

Project Classes Debug c.d exp1.cpp

```
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     }
30     i=i-1;
31     constants[cc]=m;
32     cc++;
33 }
34 else
35 {
36     if(b[i]=='*')
37     {
38         operators[oc]='*';
39         oc++;
40     }
41     else if(b[i]=='-')
42     {
43         operators[oc]='-';
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

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-----
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```

Line: 32 Col: 18 Sel: 0 Lines: 76 Length: 1395 Insert Done parsing in 0.016 seconds

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09:45 03-05-2023

```
43         operators[oc]='-';
44         oc++;
45     }
46     else if(b[i]=='+')
47     {
48         operators[oc]='+';
49         oc++;
50     }
51     else if(b[i]=='=')
52     {
53         operators[oc]='=';
54         oc++;
55     }
56     }
57 }
58 printf(" identifiers : ");
59 for(j=0;j<ic;j++)
60 {
61     printf("%c ",identifiers[j]);
62 }
63 printf("\n constants : ");
64 for(j=0;j<cc;j++)
```

Abort Compilation

```
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C:\Users\ranjith kumar\OneDrive\Documents\c.d exp1.cpp - [Executing] - Dev-C++ 5.11

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TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug c.d exp1.cpp

```
55 }
56 }
57 }
58 printf(" identifiers : ");
59 for(j=0;j<ic;j++)
60 {
61     printf("%c ",identifiers[j]);
62 }
63 printf("\n constants : ");
64 for(j=0;j<cc;j++)
65 {
66     printf("%d ",constants[j]);
67 }
68 printf("\n operators : ");
69 for(j=0;j<oc;j++)
70 {
71     printf("%c ",operators[j]);
72 }
73 }
74
75
76
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

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Line: 32 Col: 18 Sel: 0 Lines: 76 Length: 1395 Insert Done parsing in 0.016 seconds

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09:45 03-05-2023

```
C:\Users\ranjith kumar\OneD...  
enter the string : : a = b + c * e + 100  
identifiers : a b c e  
constants : 100  
operators : = + * +  
-----  
Process exited after 47.72 seconds with return value 0  
Press any key to continue . . .
```