C:\Users\swaro\OneDrive\Documents\exp 8.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

exp 8.cpp

```
72              Array_Manipulation(ch);
73          }
74          for(k = 0; k < limit; k++)
75          {
76              if(production[k][0] == ch)
77              {
78                  if(production[k][2] == '$')
79                  {
80                      find_follow(production[i][0]);
81                  }
82                  else if(islower(production[k][2]))
83                  {
84                      Array_Manipulation(production[k][2]);
85                  }
86                  else
87                  {
88                      find_first(production[k][2]);
89                  }
90              }
91          }
92      }
93
94      void Array_Manipulation(char ch)
95      {
96          int count;
97          for(count = 0; count <= x; count++)
98          {
99              if(array[count] == ch)
100             {
101                 return;
102             }
103         }
104         array[x++] = ch;
105     }
106
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
Compilation results...
--------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\swaro\OneDrive\Documents\exp 8.exe
- Output Size: 131.3037109375 KiB
- Compilation Time: 0.20s
```

Line: 106 Col: 1 Sel: 0 Lines: 106 Length: 2763 Insert Done parsing in 0.109 seconds

C:\Users\swaro\OneDrive\Documents\exp 8.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

exp 8.cpp

```
37      return 0;
38  }
39
40  void find_follow(char ch)
41  {
42      int i, j;
43      int length = strlen(production[i]);
44      if(production[0][0] == ch)
45      {
46          Array_Manipulation('$');
47      }
48      for(i = 0; i < limit; i++)
49      {
50          for(j = 2; j < length; j++)
51          {
52              if(production[i][j] == ch)
53              {
54                  if(production[i][j + 1] != '\0')
55                  {
56                      find_first(production[i][j + 1]);
57                  }
58                  if(production[i][j + 1] == '\0' && ch != production[i][0])
59                  {
60                      find_follow(production[i][0]);
61                  }
62              }
63          }
64      }
65  }
66
67  void find_first(char ch)
68  {
69      int i, k;
70      if(!(isupper(ch)))
71      {
72          Array_Manipulation(ch);
```

Compiler Resources Compile Log Debug Find Results Close

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File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 4.9.2 64-bit Release

(globals)

Project Classes Debug

exp 8.cpp

```
1   #include<stdio.h>
2   #include<ctype.h>
3   #include<string.h>
4   int limit, x = 0;
5   char production[10][10], array[10];
6
7   void find_first(char ch);
8   void find_follow(char ch);
9   void Array_Manipulation(char ch);
10
11  int main()
12  {
13      int count;
14      char option, ch;
15      printf("\nEnter Total Number of Productions:\t");
16      scanf("%d", &limit);
17      for(count = 0; count < limit; count++)
18      {
19          printf("\nValue of Production Number [%d]:\t", count + 1);
20          scanf("%s", production[count]);
21      }
22      do
23      {
24          x = 0;
25          printf("\nEnter production Value to Find Follow:\t");
26          scanf(" %c", &ch);
27          find_follow(ch);
28          printf("\nFollow Value of %c:\t{ ", ch);
29          for(count = 0; count < x; count++)
30          {
31              printf("%c ", array[count]);
32          }
33          printf("}\n");
34          printf("To Continue, Press Y:\t");
35          scanf(" %c", &option);
36      }while(option == 'y' || option == 'Y');
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Shorten compiler paths

```
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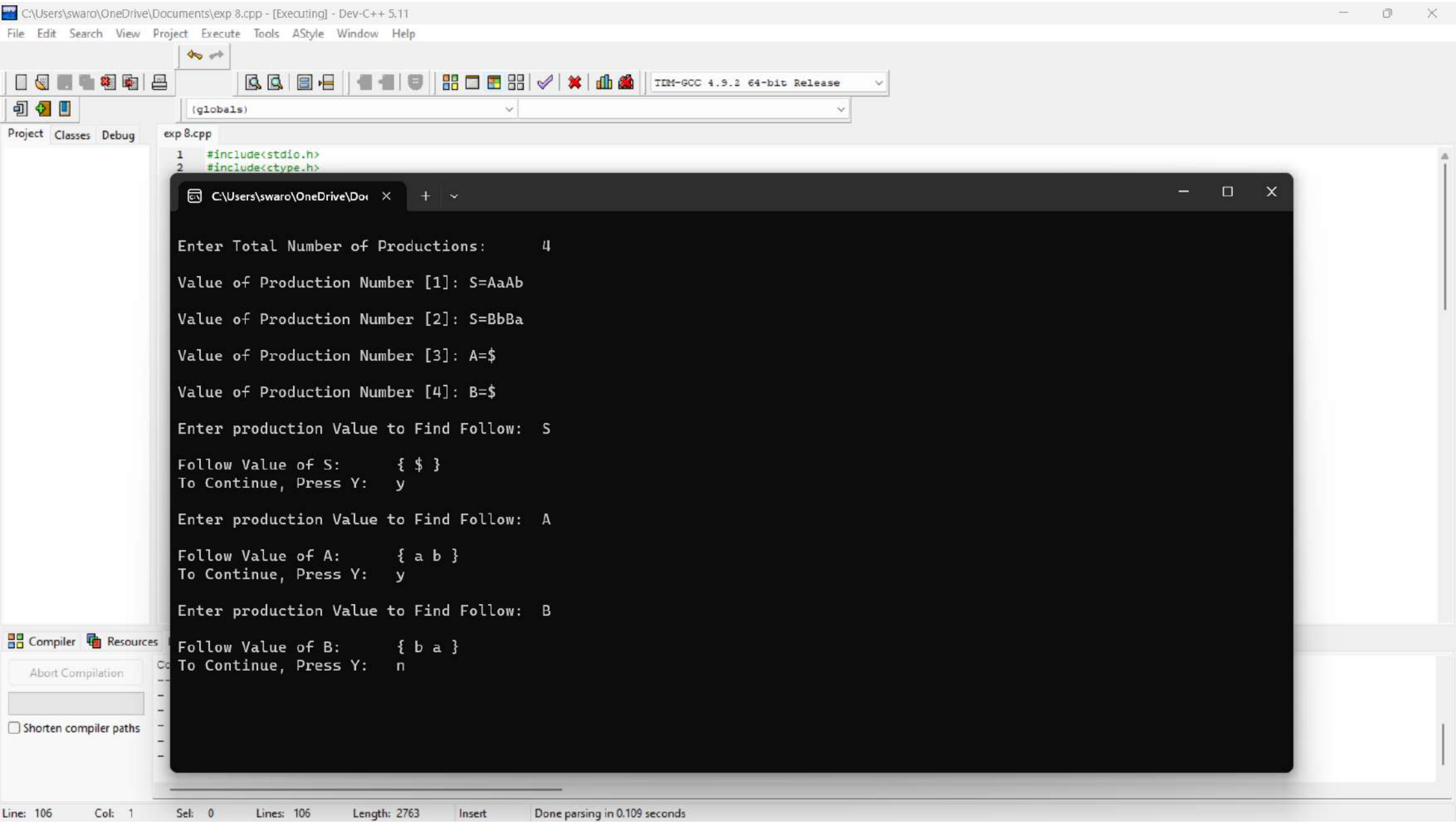
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File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9.2 64-bit Release
(globals)
Project Classes Debug
exp 8.cpp
1 #include<stdio.h>
2 #include<ctype.h>
C:\Users\swaro\OneDrive\Do
Enter Total Number of Productions: 4
Value of Production 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
Compiler Resources
Abort Compilation
Shorten compiler paths
Line: 106 Col: 1 Sel: 0 Lines: 106 Length: 2763 Insert Done parsing in 0.109 seconds