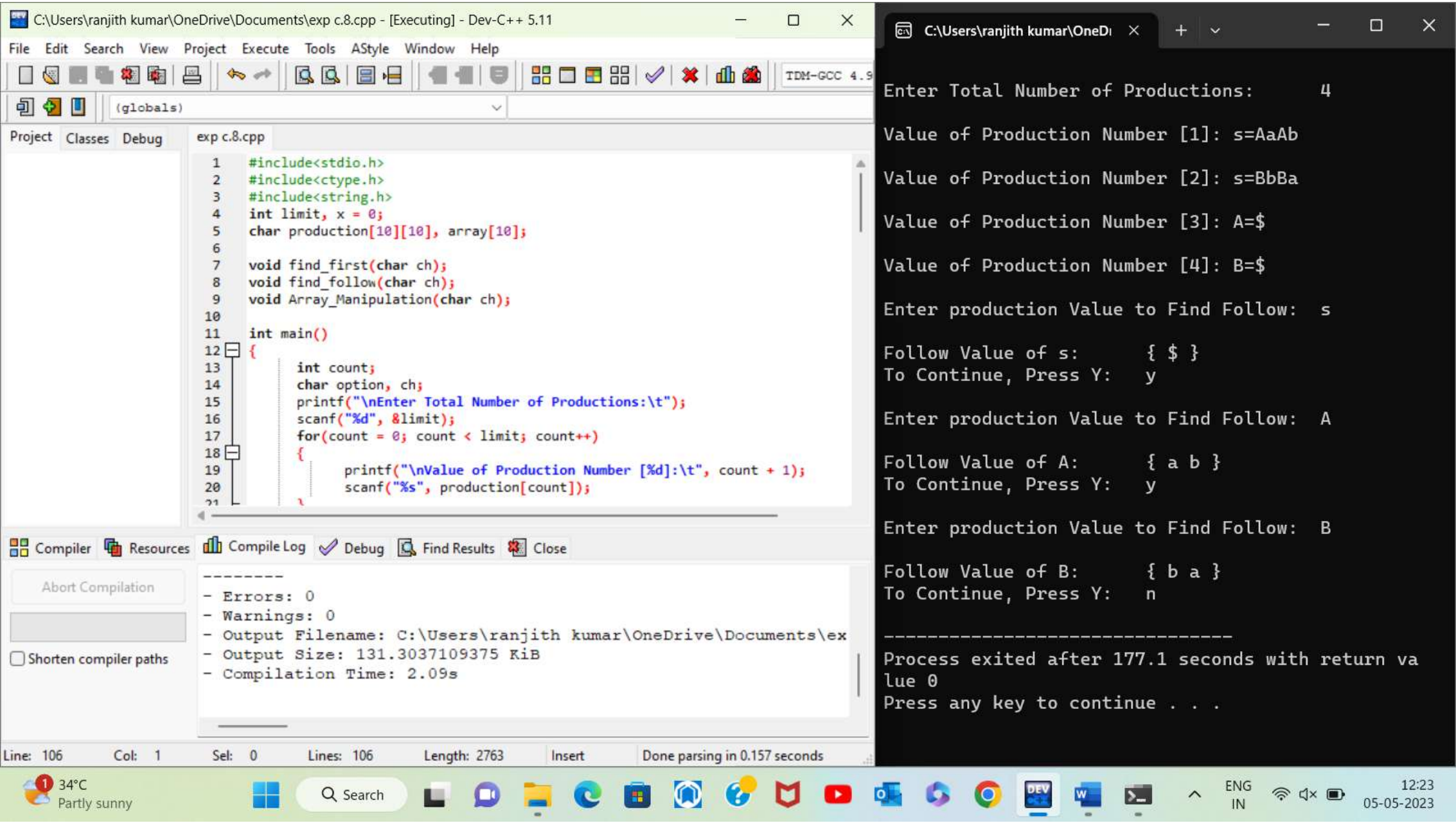
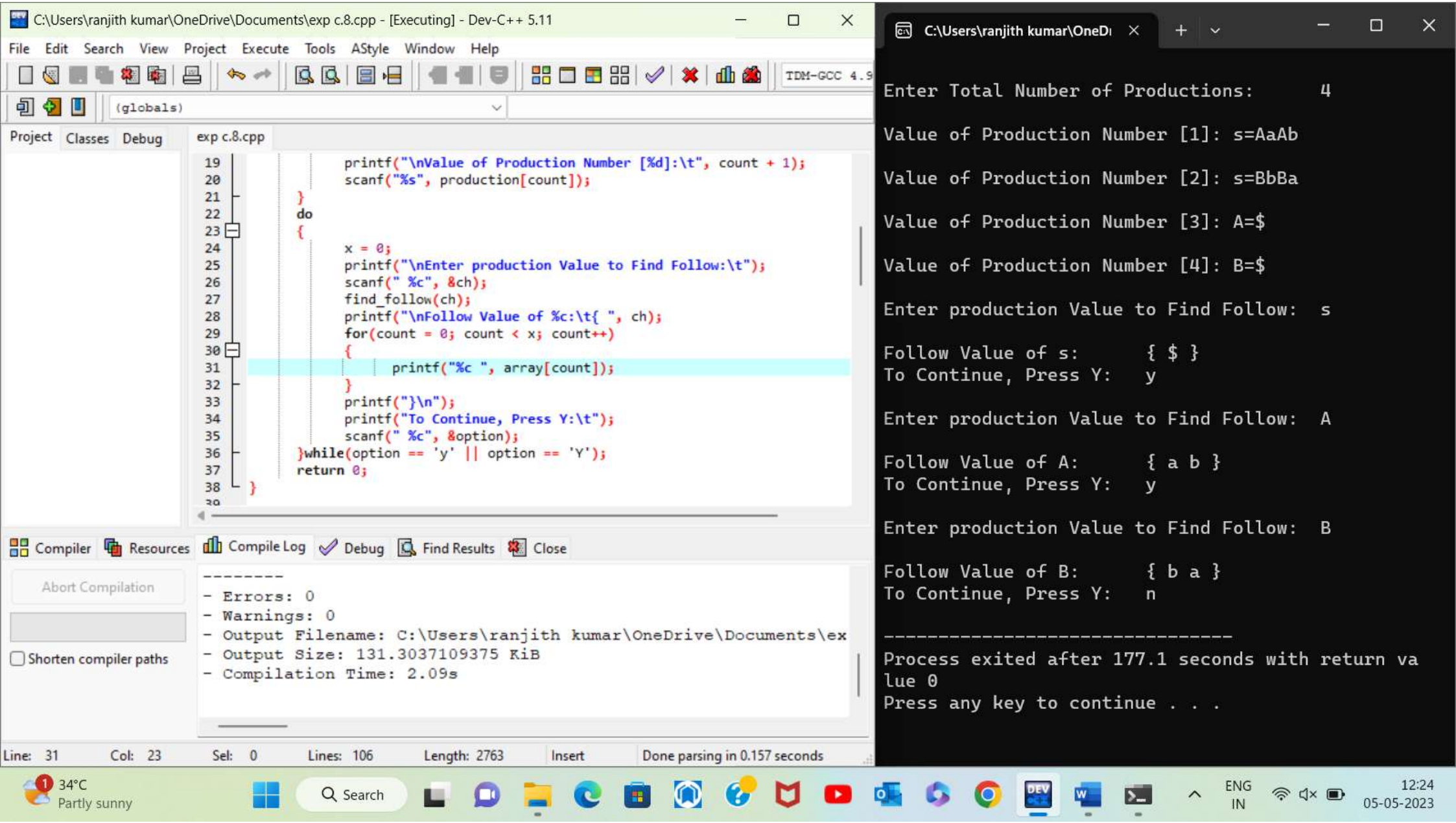

C:\Users\ranjith kumar\OneDrive\Documents\exp c.8.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9
(globals)
Project Classes Debug
exp c.8.cpp
#include<stdio.h>
#include<ctype.h>
#include<string.h>
int limit, x = 0;
char production[10][10], array[10];
void find_first(char ch);
void find_follow(char ch);
void Array_Manipulation(char ch);
int main()
{
int count;
char option, ch;
printf("\nEnter Total Number of Productions:\t");
scanf("%d", &limit);
for(count = 0; count < limit; count++)
{
printf("\nValue of Production Number [%d]:\t", count + 1);
scanf("%s", production[count]);
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths

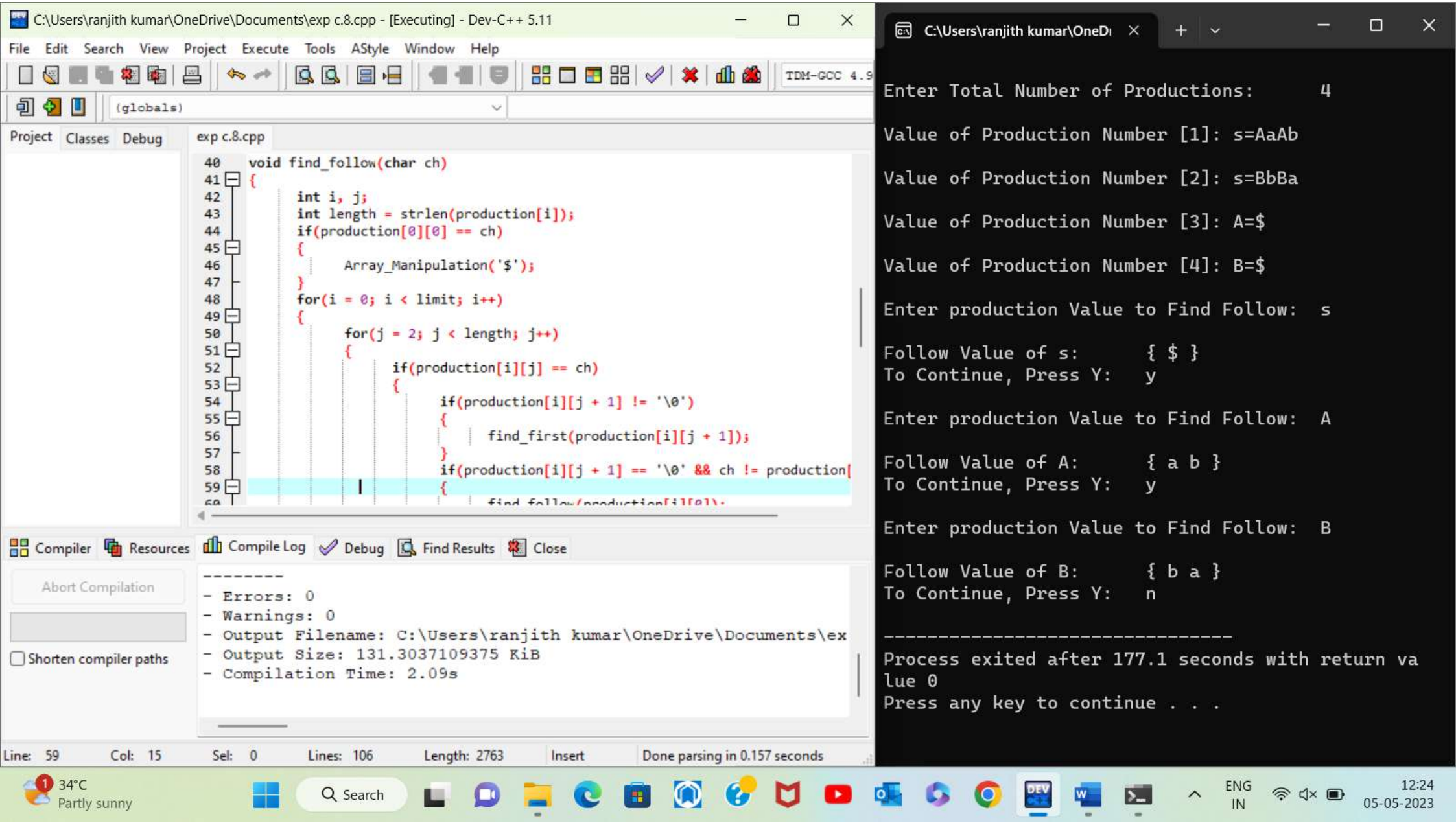
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ranjith kumar\OneDrive\Documents\ex
- Output Size: 131.3037109375 KiB
- Compilation Time: 2.09s
Line: 106 Col: 1 Sel: 0 Lines: 106 Length: 2763 Insert Done parsing in 0.157 seconds
C:\Users\ranjith kumar\OneDr
Enter Total Number of Productions: 4
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 177.1 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
IN
12:23
05-05-2023


C:\Users\ranjith kumar\OneDrive\Documents\exp c.8.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9
(globals)
Project Classes Debug
exp c.8.cpp
printf("\nValue of Production Number [%d]:\t", count + 1);
scanf("%s", production[count]);
}
do
{
x = 0;
printf("\nEnter production Value to Find Follow:\t");
scanf(" %c", &ch);
find_follow(ch);
printf("\nFollow Value of %c:\t{ ", ch);
for(count = 0; count < x; count++)
{
printf("%c ", array[count]);
}
printf("}\n");
printf("To Continue, Press Y:\t");
scanf(" %c", &option);
}while(option == 'y' || option == 'Y');
return 0;
}
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ranjith kumar\OneDrive\Documents\ex
- Output Size: 131.3037109375 KiB
- Compilation Time: 2.09s
Line: 31 Col: 23 Sel: 0 Lines: 106 Length: 2763 Insert Done parsing in 0.157 seconds
C:\Users\ranjith kumar\OneDr
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 177.1 seconds with return value 0
Press any key to continue . . .
34°C
Partly sunny
Search
ENG
IN
12:24
05-05-2023


C:\Users\ranjith kumar\OneDrive\Documents\exp c.8.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9
(globals)
Project Classes Debug
exp c.8.cpp
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[
59 {
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\ranjith kumar\OneDrive\Documents\ex
- Output Size: 131.3037109375 KiB
- Compilation Time: 2.09s
Line: 59 Col: 15 Sel: 0 Lines: 106 Length: 2763 Insert Done parsing in 0.157 seconds
C:\Users\ranjith kumar\OneDr
Enter Total Number of Productions: 4
Value of Production Number [1]: s=AaAb
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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 177.1 seconds with return va
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Press any key to continue . . .
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IN
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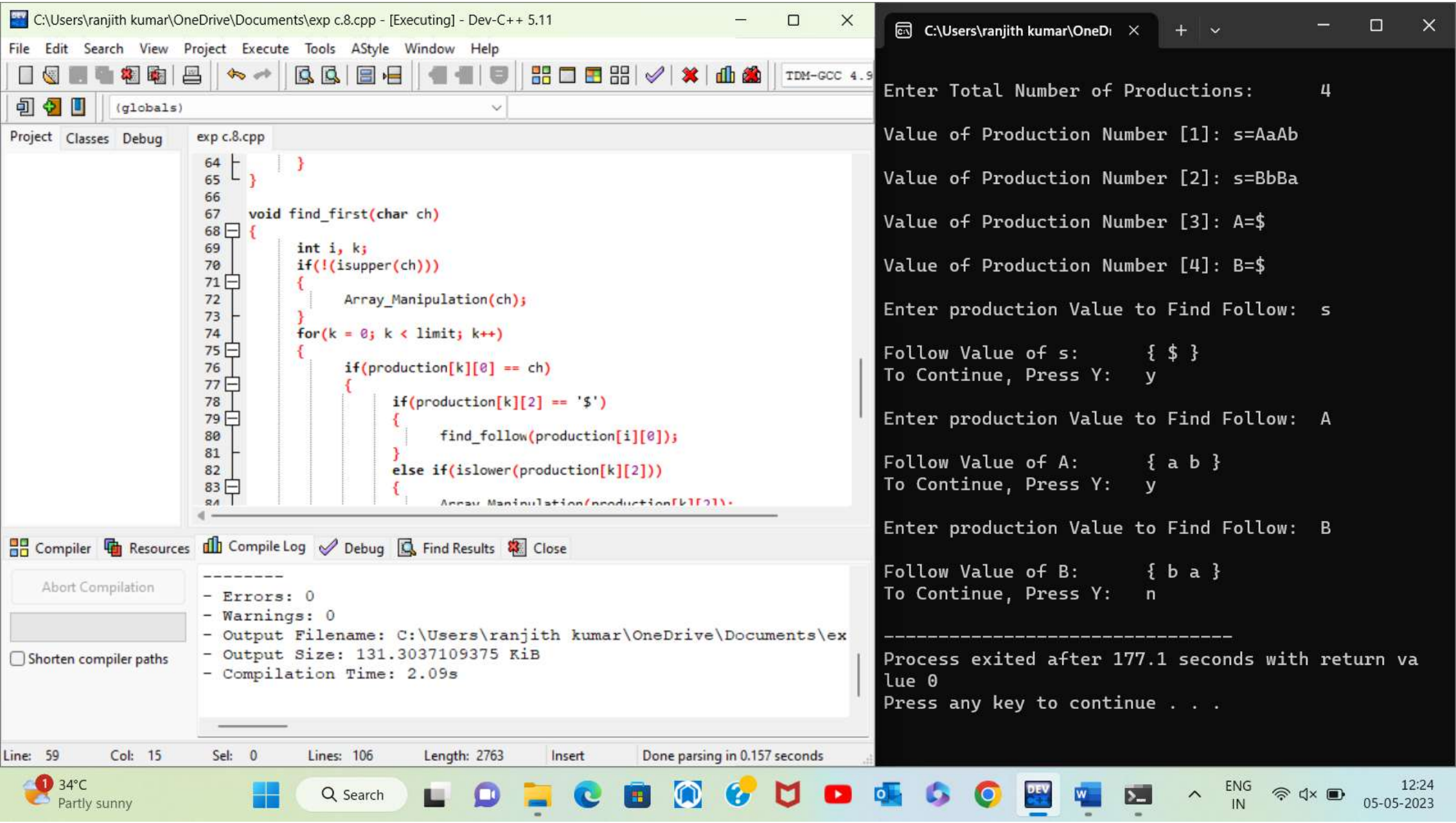
05-05-2023


C:\Users\ranjith kumar\OneDrive\Documents\exp c.8.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9
(globals)
Project Classes Debug
exp c.8.cpp
64 }
65 }
66
67 void find_first(char ch)
68 {
69 int i, k;
70 if(!(isupper(ch)))
71 {
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 {
Compiler Resources Compile Log Debug Find Results Close
Abort Compilation
Shorten compiler paths

- Errors: 0
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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

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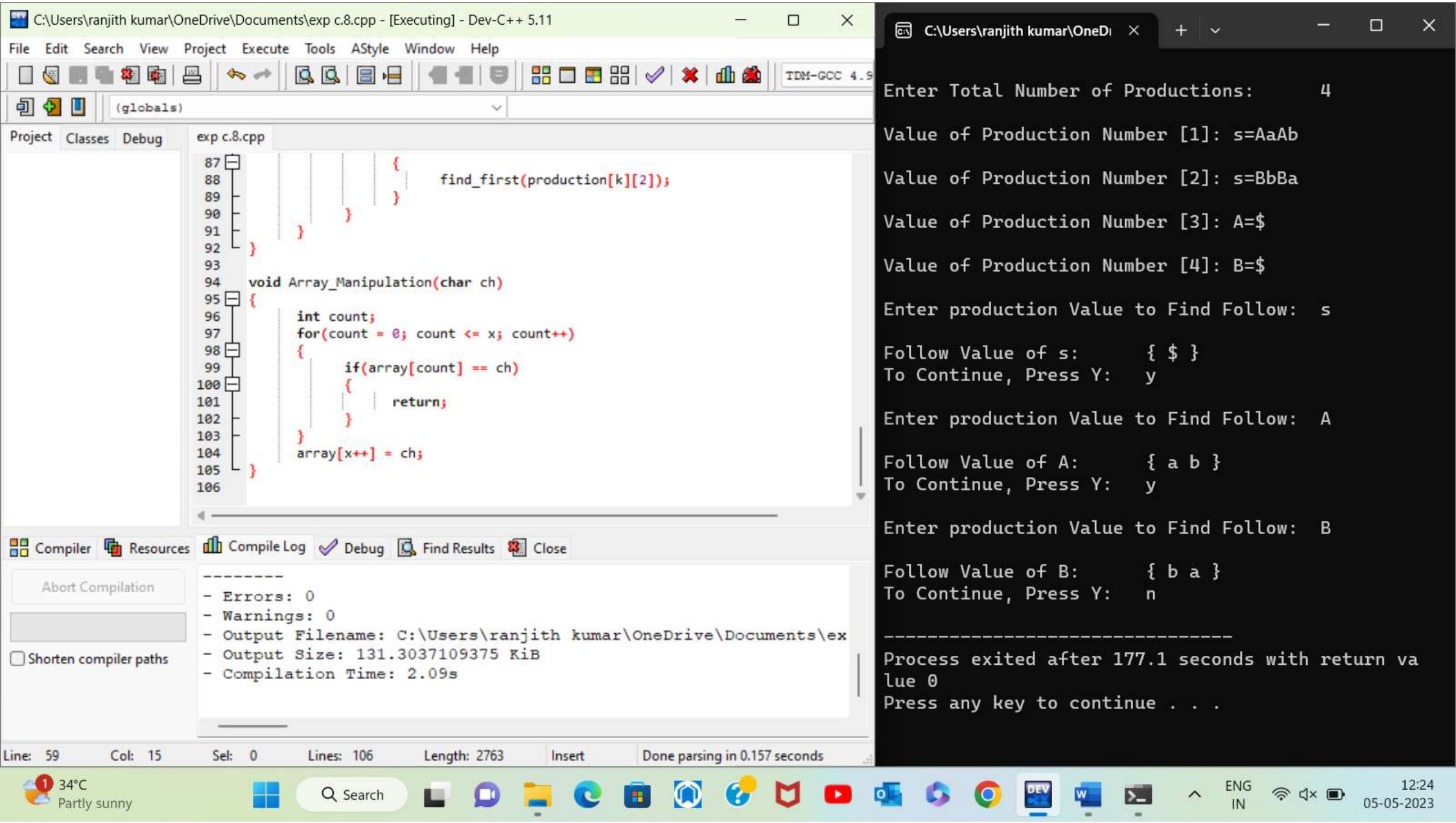
05-05-2023


C:\Users\ranjith kumar\OneDrive\Documents\exp c.8.cpp - [Executing] - Dev-C++ 5.11
File Edit Search View Project Execute Tools AStyle Window Help
TDM-GCC 4.9
(globals)
Project Classes Debug
exp c.8.cpp
{
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

- Errors: 0
- Warnings: 0
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- Output Size: 131.3037109375 KiB
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Follow Value of A: { a b }
To Continue, Press Y: y
Enter production Value to Find Follow: B
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