

C:\Users\swaro\OneDrive\Documents\exp 13.cpp - [Executing] - Dev-C++ 5.11

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Project Classes Debug

exp 8.cpp exp 9.cpp exp 10.cpp exp 11.cpp [*] exp 12.cpp exp 13.cpp

```
1  #include<stdio.h>
2  #include<conio.h>
3  #include<string.h>
4  int main() {
5      char string[50];
6      int flag, count=0;
7      printf("The grammar is: S->aS, S->bS, S->ab\n");
8      printf("Enter the string to be checked:\n");
9      gets(string);
10     if(string[0]!='a') {
11         flag=0;
12         for (count=1; string[count-1]!='\0'; count++) {
13             if(string[count]=='b') {
14                 flag=1;
15                 continue;
16             } else if((flag==1)&&(string[count]!='a')) {
17                 printf("The string does not belong to the specified grammar");
18                 break;
19             } else if(string[count]=='a')
20                 continue; else if((flag==1)&&(string[count]!='\0')) {
21                 printf("String not accepted.....!!!!");
22                 break;
23             } else {
24                 printf("String accepted");
25             }
26         }
27     }
28 }
29
```

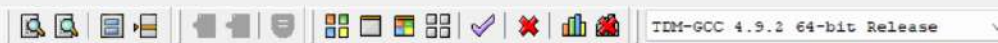
Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\swaro\OneDrive\Documents\exp 13.exe
- Output Size: 128.76953125 KiB
- Compilation Time: 0.20s

Line: 29 Col: 1 Sel: 0 Lines: 29 Length: 706 Insert Done parsing in 0.015 seconds



Project Classes Debug exp 8.cpp exp 9.cpp exp 10.cpp exp 11.cpp [*] exp 12.cpp exp 13.cpp

```
1 #include<stdio.h>
2 #include<conio.h>
```

```
1
2
3 The grammar is: S->aS, S->Sb, S->ab
4 Enter the string to be checked:
5 abb
```

```
6 String accepted
```

```
7 -----
8
9 Process exited after 38.94 seconds with return value 0
10 Press any key to continue . . . |
```

Compiler Resources

Abort Compilation

☐ Shorten compiler paths