

4b) Program to recognize whether a given sentence is simple or compound.

```
%{  
#include<stdio.h>  
%}  
  
ws [ \t\n]  
%%  
  
{ws}"and"|"AND"{ws} |  
{ws}"or"|"OR"{ws} |  
{ws}"but"|"BUT"{ws} |  
{ws}"because" {ws} |  
{ws}"nevertheless" {ws} {printf("compound sentence\n");exit(0);}  
.      ;  
\n      return 0;  
%%  
  
int yywrap() { }  
  
int main()  
{  
    printf("\nEnter a sentence\n");  
    yylex();  
    printf("\nSimple sentence\n");  
    return 0;  
}
```

Command For Execution

```
lex pgm_name.l  
gcc lex.yy.c -o pgm_name.exe  
pgm_name.exe
```

Output

C:\windows\system32\cmd.exe

```
C:\Users\Prameetha\Desktop\SS\ss>lex p4b.l  
C:\Users\Prameetha\Desktop\SS\ss>gcc lex.yy.c -o p4b.exe  
C:\Users\Prameetha\Desktop\SS\ss>p4b.exe
```

```
Enter a sentence  
tom and jerry  
compound sentence
```

```
C:\Users\Prameetha\Desktop\SS\ss>_
```