

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>_
```