

2b. Program to recognize whether a given sentence is simple or compound.

```
%{
#include<stdio.h>
int flag=0;
}%
%%
[a-zA-Z ]+" AND "|" and "|" OR "|" or "|" because "|" BECAUSE "|" BUT
|" but "[a-zA-Z] {flag=1;}
.\n {;}
%%
int main()
{
printf(" enter the sentence \n");
yylex();
if(flag==1)
printf("\n sentence is compound \n");
else
printf("\n simple sentence\n");
return 0;
}
int yywrap()
{
return 1;
}
```

OUTPUT:

```
[root@localhost ~]# lex pg3.1
[root@localhost ~]# cc lex.yy.c -ll
[root@localhost ~]# ./a.out
enter the sentence
john is good
(PRESS CTRL+D)
simple sentence
[root@localhost ~]# ./a.out
enter the sentence
john and peter won the game
(PRESS CTRL+D)
```

sentence is compound