

PRACTICAL 4

Aim: Write Lex Specification to print reverse of given string.

Code:

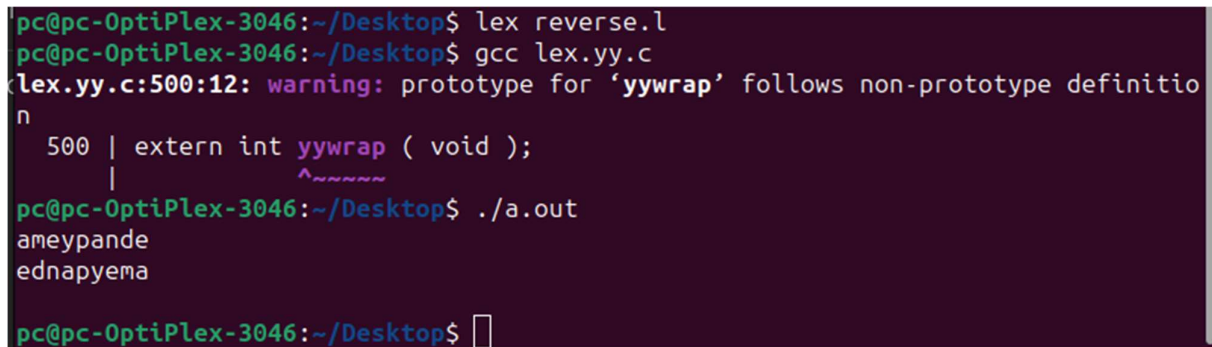
```
%{
#include <stdio.h>
#include <string.h>
int yywrap() { return 1; }
}%

%%
[a-zA-Z]+ {
    int len = strlen(yytext);
    for (int i = len - 1; i >= 0; i--) {
        printf("%c", yytext[i]);
    }
    printf("\n");
}
.      ;

%%

int main() {
    yylex();
    return 0;
}
```

Output:



```
pc@pc-OptiPlex-3046:~/Desktop$ lex reverse.l
pc@pc-OptiPlex-3046:~/Desktop$ gcc lex.yy.c
lex.yy.c:500:12: warning: prototype for 'yywrap' follows non-prototype definition
    500 | extern int yywrap ( void );
        |             ^~~~~~
pc@pc-OptiPlex-3046:~/Desktop$ ./a.out
ameypande
ednapyema
pc@pc-OptiPlex-3046:~/Desktop$
```