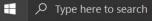
```
11/1 5
     if(a==0) & printf("No match \n"); return 0:3
printf("1's is the matched estring li, ves);
 return 0;
1/2).
int main() 3
       yylex1);
 3. Comments consisting of string surrounded by 1x and of
                intervening of, unless it is inside dablequotes
     Wilhout
   1. 2
   #inchdes stdio. h)
   thin duda (String, h)
   #include (stolis.h)
    "/"" ([a-ZA-Z_0-qtt h]*(\"\"\")*) " " ")"
   -11-1
                   2 print f ('Comment -1.5", yytox +); 3
    -1.1.
             yyin = fopm ('g3Sample.txt', "r");
     int main () 2
             yylex();
                                         OUTPUT
                                       Comment - 1 found the end of
      assample tot
     while ((e=input() == '*');
                                       Comment - / Returns YES 0/
                                      Comment - 10 Returns No " 19 " og
     if (c=='/') break; 1x found the end of
     while (c!= eof) {
        if (c == 1) return "YES"); | "Returns YES" |
        else vetum "No"; / " Returns No "x/" "/
```

```
srihari@LAPTOP-AJMTFS87: ~/compiler_design/week6
 srihari@LAPTOP-AJMTFS87:~/compiler design/week6$ cat q1.l
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
letter [a-zA-Z]
{letter} {yymore();printf("\nthe value of yytext is %s",yytext);}
. ;
"\n" {printf("\n");return 0;}
int main(){
         printf("Enter 0 to stop\n");
         yylex();
srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ lex q1.l
srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ cc lex.yy.c -ll
 srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ ./a.out
Hey1
the value of yytext is H
the value of yytext is He
the value of yytext is Hey
srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$
```





















```
srihari@LAPTOP-AJMTFS87: ~/compiler_design/week6
srihari@LAPTOP-AJMTFS87:~/compiler design/week6$ cat q2.1
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
int a=0;
char res[100];
lowerCase [^a-z\n]
{lowerCase} {
        res[a++] = yytext[0];
        printf("Not matched\n");return 0;
"\n" {
if(a == 0){
       printf("No match\n");return 0;
printf("%s is the matched string\n",res);
return 0;}
int main(){
        yylex();
srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ ./a.out
SRIHARI2018102601
SRIHARI2018102601 is the matched string
srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ ./a.out
SRIHARi
Not matched
 srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$
```































```
srihari@LAPTOP-AJMTFS87: ~/compiler_design/week6
                                                                                                                                                                                                  srihari@LAPTOP-AJMTFS87:~/compiler design/week6$ cat q3.1
#include<stdio.h>
#include<string.h>
#include<stdlib.h>
"/*"([a-zA-Z_0-9 \t\n]*(\"\*\/\")*)*"*/" {printf("Comment - %s",yytext);}
int main(){
       yyin = fopen("q3sample.txt","r");
       yylex();
srihari@LAPTOP-AJMTFS87:~/compiler design/week6$ cat q3sample.txt
while ( (c = input()) == '*' )
if ( c == '/' )
       break; /* found the end */
while (c ! = eof)
if (c = =1)
       return "YES"; /* Returns YES */
else
       return "NO"; /* Returns NO "*/" */
srihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ lex q3.1
 rihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ cc lex.yy.c -ll
 rihari@LAPTOP-AJMTFS87:~/compiler_design/week6$ ./a.out
Comment - /* found the end */
Comment - /* Returns YES */
Comment - /* Returns NO "*/" */
 rihari@LAPTOP-AJMTFS87:~/compiler_design/week6$
                                                                                                                                                                       ^ ■ □ □ □ (1)) // ENG 17-09-2020
```