white vagular definition to display the line of string for a following using LEX.

- (a) Matches the setting also
- (b) Natch one or more occurrences of ab Concatenated
- (c) Match any string of one or more digita

1.5 #include (stolio. h)

b (ab)+

c [+1-]?[0-9]+

{a} { printf("category A: The mutching string is rsin", yyeart), REJECT ; 3

(6) { printf (" Category B: The matching sitting is 1.5 lm, ejytext), REJECT; 3

{c3 { printf("category c: The matching estring is 1:sln", yytext); }

1.1.

main () {

yyler(); return 1;

OUTPUT

Category e: The matching string is -46 Category A: The metaling string is also Category B: The matching String is as

```
srihari@LAPTOP-AJMTFS87:~/compiler_design/week2$ ./a.out
abcab09
Category A: The matching string is abc
Category B: The matching string is ab
abcCategory B: The matching string is ab
abCategory C: The matching string is 09
+456cab
Category C: The matching string is +456
cCategory B: The matching string is ab
-96abc
Category C: The matching string is -96
Category A: The matching string is abo
Category B: The matching string is ab
abc
srihari@LAPTOP-AJMTFS87:~/compiler_design/week2$ cat assign1a.l
#include<stdio.h>
 abc
 (ab)+
 [+|-]?[0-9]+
{a} {printf("Category A: The matching string is %s\n",yytext);REJECT;}
{b} {printf("Category B: The matching string is %s\n",yytext);REJECT;}
{c} {printf("Category C: The matching string is %s\n",yytext);}
int main(){
        yylex();
        return 1;
 rihari@LAPTOP-AJMTFS87:~/compiler_design/week2$
```

^ **♣ ◘ ◘** (1)) (€ ENG 24-08-2020

srihari@LAPTOP-AJMTFS87: ~/compiler_design/week2

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