

**convertsubstring.l**

```
1  %{
2      #include<stdio.h>
3      #include<string.h>
4      char replace_with[]="abc";
5      char replace[]="ABC";
6  %}
7
8  %%
9  "abc" {strcpy(yytext,replace);ECHO;}
10 %%
11
12 int yywrap()
13 {
14     return 1;
15 }
16 int main()
17 {
18     printf("Enter the string:\n");
19     yylex();
20 }
21
22
23
24 /*
25 ALGORITHM
26 1. Start
27 2. Initialize replacement variables:
28     2.1 Declare replace_with[] as 'abc', substring to match
29     2.2 Declare replace[] as 'ABC', substring to replace with
30 3. Define Lexical Rules:
31     3.1 'abc': replace yytext with 'ABC' using strcpy(yytext,replace)
32     3.2 Print the modified yytextt using ECHO
33 4. main() function:
34     4.1 Get user input
35     4.2 Invoke yylex() to perform lexical analysis
36 5. yywrap() function:
37     5.1 Called when input exhausted
38     5.2 Return 1 to show EOF
39 6. Stop
40 */
```