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Lab Cycle 1 - Experiment 4

Write a LEX Program to convert the substring abc to ABC from the given input string.

Code:

```
%{
#include <stdio.h>
#include <stdlib.h>
int i;
%}
%%
[a-z A-Z]* {
   for(i=0;i<=yyleng;i++) {
       if((yytext[i]=='a')&&(yytext[i+1]=='b')&&(yytext[i+2]=='c')) {
       yytext[i]='A';
       yytext[i+1]='B';
       yytext[i+2]='C';
       }
   }
   printf("%s",yytext);
}

[\t]* return 0;
.* {ECHO;}
\n {printf("%s",yytext);}
%%

int main() {
   yylex();
}
int yywrap() {
   return 1;
}
```

Output:

```
gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/String_Operation$ lex string_operation.lex
gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/String_Operation$ cc lex.yy.c
gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/String_Operation$ ./a.out
Hello
Hello
This is abc
This is ABC
Abc is abc
Abc is ABC

gokz1119@gokz-Lenovo:/media/gokz1119/New Volume/S7/CD Lab/String_Operation$ _
```