

Exp. No. 24

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

Program: (substring.l)

```
%{
int i;
%}
%%
[a-zA-Z]* { for(i=0;i<=yytext[i];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 1;
.* {ECH0;}
\\n {printf("%s",yytext);}
%%
int main()
{
    yylex();
}
int yywrap()
{
    return 1;
}
```

INPUT:

abcdefghabcijkla

OUTPUT:

```
Microsoft Windows [Version 10.0.22621.2715]
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C:\Users\Deepak>d:

D:\>cd Slots

D:\Slots>cd Compiler Design

D:\Slots\Compiler Design>flex Ex9Substring.l

D:\Slots\Compiler Design>gcc lex.yy.c

D:\Slots\Compiler Design>a.exe Ex9Substring.c
abcdefghabcijkla
ABCdefghABCijkla
|
```