# Assignment No-6

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**Batch : 3**

**Class : CS-B**

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**Q. Convert all uppercase characters to lowercase except inside comments.**

```
%{
#include <stdio.h>
%}
%%
[a-z]+ {
  int vowel_count = 0;
  char *vowels = "aeiou";
  char *str = yytext;
  while (*str) {
    if (*str == vowels[vowel_count]) {
      vowel_count++;
    }
    if (vowel_count == 5) {
      break;
    }
    str++;
  }
  if (vowel_count == 5) {
    printf("String Accepted: %s\n", yytext);
  } else {
    printf("String is not Accepted: %s\n", yytext);
```

```
    }
}


%%
int yywrap() {
    return 1;  // End of input
}
int main() {
    yylex();
    return 0;
}
```

**Output :**

```
C:\Users\Student\Desktop\CD>flex new.l

C:\Users\Student\Desktop\CD>gcc lex.yy.c

C:\Users\Student\Desktop\CD>a.exe
aeiouyy
String Accepted: aeiouyy

feldsu
String is not Accepted: feldsu
```