

36. Write a LEX program to accept string starting with vowel.

```
%{
#include <stdio.h>
%}

%%

^[aeiouAEIOU][a-zA-Z]* { printf("Accepted: %s\n", yytext); }
. { printf("Not accepted: %s\n", yytext); }

%%

int main() {
    char input[4096]; // Adjust the size based on your needs
    printf("Enter a string starting with a vowel:\n");

    if (fgets(input, sizeof(input), stdin) == NULL) {
        fprintf(stderr, "Error reading input.\n");
        return 1;
    }

    // Remove newline character if present
    for (int i = 0; input[i] != '\0'; i++) {
        if (input[i] == '\n') {
            input[i] = '\0';
            break;
        }
    }

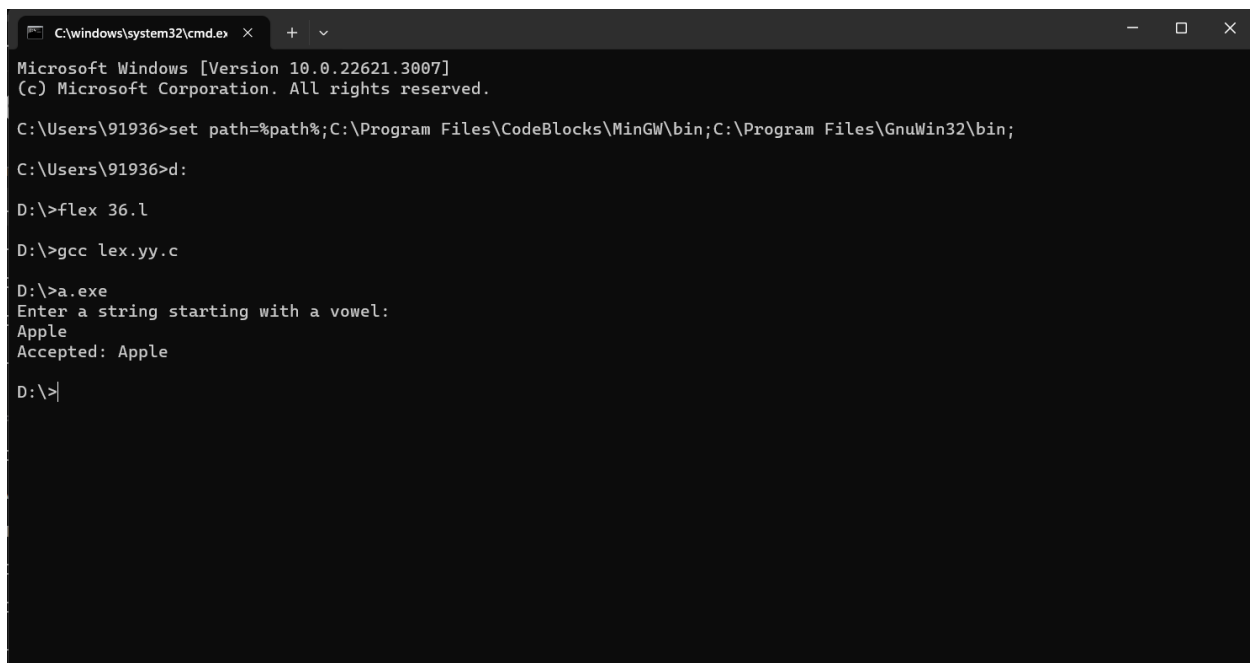
    // Set the input buffer
```

```
yy_scan_string(input);

// Start parsing
yylex();

return 0;
}

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



```
C:\windows\system32\cmd.exe X + v
Microsoft Windows [Version 10.0.22621.3007]
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C:\Users\91936>set path=%path%;C:\Program Files\CodeBlocks\MinGW\bin;C:\Program Files\GnuWin32\bin;
C:\Users\91936>d:
D:\>flex 36.l
D:\>gcc lex.yy.c
D:\>a.exe
Enter a string starting with a vowel:
Apple
Accepted: Apple
D:\>|
```