34. Write a LEX program to check whether the given input is digit or not

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

%%
[0-9]   { printf("The given input is a digit: %s\n", yytext); }
.       { printf("The given input is not a digit: %s\n", yytext); }

%%

int main() {
   char input[4096]; // Adjust the size based on your needs
   printf("Enter a character:\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; }
```