30. Write a LEX program to recognise numbers and words in a statement. Pooja is a small girl of age 3 always fond of games. Due to the pandemic, she was not allowed to play outside. So her mother designs a gaming event by showing a flash card. Pooja has to separate the numbers in one list and words in another list shown in the flash card.

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

%%

[0-9]+        { printf("Number: %s\n", yytext); }
[a-zA-Z]+     { printf("Word: %s\n", yytext); }
.             ; /* Ignore any other characters */

%%

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

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

   // Set the input buffer
   yy_scan_string(input);

   // Start parsing
```

```
    yylex();


    return 0;
}
int yywrap() { return 1; }
```