

```
root at Abhishek in /mnt/h/Compiler Design/Lab/Lab 2
 o lex 1.l
root at Abhishek in /mnt/h/Compiler Design/Lab/Lab 2
 o cc lex.yy.c
root at Abhishek in /mnt/h/Compiler Design/Lab/Lab 2
 o ./a.out
abhishek 19147 +
Word Number Operator
abhishek
Word
Abhishek
AWord
+ _ * %
Operator
          Operator
                    Operator
                               Operator
19147
Number
```

2. Do a program to identify the Keywords, operators and Symbols in the C program

```
%option noyywrap
%{
      #include <stdlib.h>
      #include <stdio.h>
%}
%%
[\n] {printf("\n\nEnter the Input : ");}
auto|double|int|struct|break|else|long|switch|case|enum|register|
typedef|char|extern|return|union|continue|for|signed|void|do|if|
static|while|default|goto|sizeof|volatile|const|float|short {printf("Keyword ");}
[+-/*%=] {printf("Operator ");}
[,;!~$&>@.:\?^<(){}#] {printf("Symbol ");}
%%
 int main()
      yylex();
      return 1;
```

```
root at Abhishek in /mnt/h/Compiler Design/Lab/Lab 2
o lex 2.l
root at Abhishek in /mnt/h/Compiler Design/Lab/Lab 2
o cc lex.yy.c
root at Abhishek in /mnt/h/Compiler Design/Lab/Lab 2
o ./a.out
```

```
Enter the Input : int float +
Keyword
         Keyword
                  Operator
Enter the Input : Abhi + - % #
Abhi Operator
              Operator Operator
                                   Symbol
Enter the Input : int float double _ ( )
                                     Symbol
Keyword
         Keyword
                  Keyword _ Symbol
Enter the Input : if { } else { }
Keyword
         Symbol
                 Symbol
                         Keyword
                                  Symbol
                                          Symbol
Enter the Input: Abhishek 19147
Abhishek 19147
```

Thankyou!!