SACHIN RAGHUL T

LEX PROGRAM

1 Reading input from a file % option noyywrap

% { #include < stdio. h>

1.%

*/o/o

main (int argc, chartargv[])

if(argc > 1)

FILE *fp = fopen(argv[1], 'r");

if (tp)

yyin = tp;

yylex();

return 1;

output:

3

> lex filereading. 1

>gcclex.yy.c

> a exe inpitat

hello

how are you I am fine

```
2. Reading and writing Prito the:
   Replace the characters with another character using
   file:
   toption royywrap.
   168
     #Include estallo.h>
    #include estring. h>
    char replace_with [] = 'Best';
     Char replace [] = 'A";
  -103
  0/0%
   [a-zA-Z]+
     if (stremp (yytext, replace) == 0)
       fprintf (yyout, "%s", replace_with);
       tprint (yyout , "lis", yytext);
     +print (yyout, 1%s", yytext);
  0/0/0
  Mint yywrapi) & return 1; 3
   int main ()
   3
     extern FILE *yyin, *yyout;
     yyin = topen ( 'inp1 +x+", 'r");
     yyout = fopen ( 'out1. +x+", "w");
     yylex();
     return 0;
```

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Ipp1.+x+
  output)
  > lex replace . L
  > gcc lex.yy.c
  > a · exe Pnp1 · txt
  out 1. tx+
  Best Art in the world
  Best price to sell your product
  classical Music is Best pelaxing
  Best tootball player plays well
3. Yyless (K) - Returns the first k characters in yytext
   % option noyywrap
  90 8
     #include < stdio. h>
  18%
  10%
  [a-2]+{
    Print ("In Lower ="); ECHO;
   yyless (3);
     Printf ( 1 (n The word after yyless ()= "); ECHO;
   4
  [a-zA-z]+{
    printf ( 'In Mixed letters is = "); ECHO;
  3
  0/0%
  Int main ()
   yylex ();
    return o;
```

```
output:
    concatenation two string
    Lower = concatenation
    The word after yyless () = con
    Lower = catenation
    the word after yyless () = cat
    Lower = enation
    The word after yyless () = ena
    Lower = tion
    The word after yyless () = tio
    Lower = n
   the word after yyless() = nt
    Lover = wo
   the word after yyless()= wo
   Lower = string
   the word after yyless () = Str
   tower = ing
   the word after yyles(): Pry
4. Vmore CI - Returns the next token
   % &
  0/0 2
   % %
  Ta-ZJ+ 2
     Printf (-1/hLowercesse Letter = "); ECHO;
     printf ("Instart of 1st Hymorein");
     yymore();
     Printf (= Intend of 1st yymore \n');
  3
```

CA-ZJ+ & print+ ('InUppercase letter: "); ECHO; print ('Instart of 2nd yymore (n'); yymore(); printf (Intend of 2nd gymore in'); 3 %% main () yylex(): output: GOOD EXAMPLE Uppercase Letter = G Start of 2nd yymore End of 2nd yymore Lowercoxe Letter = Goo start of 1st yymore End of 1st yymone Uppercase letter = Good Start of 2nd yymore End of 2nd yymore GOOD Uppercase letter = EXAM Start of 2nd yymore End of 2nd yymore Lowercase letter = EXAMPLE Start of 1st gymore End of 1st yymore EXAMPLE