**IMPLEMENT LEXICAL ANALYSER**

AIM

Design and implement a lexical analyzer for given language using C. The lexical analyzer should ignore redundant spaces, tabs and newlines.

ALGORITHM

1. Start
2. Open the input file input.txt in read mode
3. If the file is not found . Display an error message
4. Else scan and analyse each component ch until the end of file

If ch is a keyword display ‘kwd’

If ch is an identifier display ‘id’

If ch is any arithmetic operator display ‘op-plus/sub/div/mul..’

If ch is any other operators display the same

1. Close the file
2. Stop

OUTPUT

Input: input.txt

int a,b,c;

c=a+b;

To compile: gcc 11anaghasethu-p1.c;

To execute: ./a.out

Output : kwd id ,id ,id ;

id op-equ id op-plus id ;

Screenshot

