OBSERVATION - 3

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1. Write a lex program to identify whether a given zymbol is operator zymbol or not and identify its token name % option noyywrap
% {

#include <stdio.h>
int flag = 1;
% }
[+-1*] {

[+-1*] {

case '/': printf('Division operator \n'); flag = 0; break;

case '+': printf ('Addition operator \n'); flag = 0; break;

case '-': printf ('Subtraction operator \n'); flag = 0; break;

case '*': printf ('Multiplication operator \n'); flag = 0; break;

g

[1+-/*1\n"] {

Printf ("Not an operator\n");

3.

switch (yytext[0]) ?

yylex(); return 0;

int main ()

```
2. Write a Lex program to identify whether a given line is a
   comment or not.
   % option noyywrap
   % &
      # Include < stdio. h>
   %%%
   $(**\1)1(1+*/2(([n+1)](1**/2)+*/)1[n/+/)](1.*)}
       prints (-'commented line (n');
   4
   900/0
   Int main()
     yylex();
      return 0;
   4
3. Write a lex program to recognize strings under 'a",
   'a*b+', 'abb'.
   % option noywrap
   0105
     #include Lstdio. h>
   0/00/0
   a*9
     Printf ( 17.5 matches the regex: a*In", yytext);
   2
   abba
    Prints (1% s matches the regex; abbin', yytext);
   3
   axb+8
     Printf(1% smatches the regEx: ax b+ \n", yytext);
   2
   40%
   9 nt main ()
     yyin = fopen ( = z 3 test. +x+", " +");
     yylex();
      return 0;
```