**Program: (positive\_neg\_nums.l)**

%{

int positive\_no = 0, negative\_no = 0;

%}

%%

^[-][0-9]+ {negative\_no++;

printf("negative number = %s\n",

yytext);} // negative number

[0-9]+ {positive\_no++;

printf("positive number = %s\n",

yytext);} // positive number

%%

int yywrap(){}

int main()

{

yylex();

printf ("number of positive numbers = %d,"

"number of negative numbers = %d\n",

positive\_no, negative\_no);

return 0;

}

**Output:**

**C:\lex\_programs>a.exe**

**-10**

**negative number = -10**

**20**

**positive number = 20**

**-78**

**negative number = -78**

**^Z**

**number of positive numbers = 1,number of negative numbers = 2**

