Lab1: Write a program to count number of lines, tabs, spaces, words, characters from a given text file.

Code:

```
% {
 # include<stdio.h>
int lc=0,tc=0,sc=0,wc=0,cc=0;
% }
%%
           {cc+=yyleng; wc++;}
[^{\ \ }t\ ]+
[] {cc++;sc++;}
[\t] {cc++; tc++;}
      {cc++; lc++;}
\n
%%
main()
yyin = fopen("a1.txt","r");
yyout=fopen("a2.txt","w");
yylex();
fclose(yyin);
fclose(yyout);
int yywrap()
fprintf(yyout,"no. of lines =%d\n",lc);
fprintf(yyout,"no. of tabs=%d\n",tc);
fprintf(yyout,"no. of characters = %d\n",cc);
fprintf(yyout,"no. of spaces = \%d\n",sc);
fprintf(yyout,"no. of words=%d\n",wc);
return 1;
}
```

OUTPUT:

```
1 no. of lines =1
2 no. of tabs=1
3 no. of characters = 54
4 no. of spaces = 9
5 no. of words=11
6
```