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| **Lex program to count number of Words,Characters,Lines** |
| **Aim:** Lex program to count number of words,characters,lines in a given text file. |
| **Program**  %{  #include<stdio.h>  int ch=0,word=0,line=0;  %}  %%  [\n] ++line;  [" "] word++;  [^\n\t] ch++;  %%  int yywrap()  {  return 1;  }  int main()  {  yyin = fopen("sample.txt", "r");  yylex();  printf("Number of characters: %d\nNumber of Words: %d\nNumber of lines: %d\n",ch,(word+line),(line));  return 0;  } |
| **Result:** Implement a LEX program to count the number of words,characters,lines and output is obtained successfully. |
| **Remarks:**(To be filled by faculty) |
| **Algorithm**   1. Start 2. Initialize line=0,word=0,ch=0 3. Read the text file sample.txt. 4. Call the yylex( ) function. 5. If “\n” increment line. 6. If “ “ increment word. 7. If ^\n\t increment ch. 8. Print the number of characters by ch count. 9. Print the number of words by word count and line count. 10. Print the number of lines by line count. 11. Stop.   **Sample Input and Output** |