5. Design a lexical Analyzer to find the number of whitespaces and newline characters using C

#include<stdio.h>

int main()

{

char str[100];

int words=0,newline=0,character=0;

int i;

printf("enter the text");

scanf("%[^~]s",str);

for(i=0;str[i]!='\0';i++)

{

if(str[i]==' ')

{

words++;

}

else if(str[i]=='\n')

{

words++;

newline++;

}

else

{

character++;

}

}

if(character>0)

{

words++;

newline++;

}

printf("words= %d \n",words);

printf("newline=%d \n",newline);

printf("character=%d \n",character);

return 0;

}

OUTPUT

