1. .Write a C program to count the number of words in a string.

PROGRAM:-

#include <stdio.h>

int countWords(char \*str) {

int count = 0;

int isWord = 0;

while (\*str) {

if (\*str == ' ' || \*str == '\t' || \*str == '\n') {

isWord = 0;

}

else if (isWord == 0) {

isWord = 1;

count++;

}

str ++;

}

return count;

}

int main() { char str[100]; printf("Enter a string: ");

fgets(str, sizeof(str), stdin);

int wordCount = countWords(str);

printf("Number of words: %d\n", wordCount);

return 0;

}