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maxmax@madmax:~/Desktop/u19cs019_sem6/System_software/lab3$ cat q2.c
#include <stdio.h>
#include <string.h>
#include <stdlib.h>
#include <stdbool.h>

// function to remove white space from the beginning of a string
void remove_white_space(char *str) {
    int i = 0;
    while (str[i] == ' ') {
        i++;
    }
    strcpy(str, str + i);
}

int main () {
    char line[100];
    printf("Enter a line of text: ");
    fgets(line, 100, stdin);
    remove_white_space(line);
    if (strncmp(line, "//", 2) == 0) {
        printf("The line is a comment.\n");
    } else {
        printf("The line is not a comment.\n");
    }
    printf("The program is finished.\n");
    return 0;
}maxmax@madmax:~/Desktop/u19cs019_sem6/System_software/lab3$ g++ q2.c
maxmax@madmax:~/Desktop/u19cs019_sem6/System_software/lab3$ ./a.out
Enter a line of text:                     // comment here
The line is a comment.
The program is finished.
maxmax@madmax:~/Desktop/u19cs019_sem6/System_software/lab3$ ./a.out
Enter a line of text: test line // test lin
The line is not a comment.
The program is finished.
maxmax@madmax:~/Desktop/u19cs019_sem6/System_software/lab3$ 
```