






klnimri@klnimri: ~

```
klnimri@klnimri:~$ gcc Lab4.c
klnimri@klnimri:~$ ./a.out Lab4.c
The length of the string is 16
Operating System
Strings are equal
Value returned by strcmp() is: 0
G F GG    G
    G

Operating & quot:
System & quot:klnimri@klnimri:~$
```









klnimri@klnimri: ~

```
  GNU nano 6.2                                  Lab4.c
#include<string.h>     //Student name: Khalid Nimri
#include<stdio.h>      //Student ID: [redacted]

int main() {
char course_name[] = "Operating System";
char cpString[20];
char leftStr[] = "G F G";
char rightStr[] = "G F G";
////////////////////////////////////////////////////////////Ex1
printf("The length of the string is %ld\n",strlen(course_name));
////////////////////////////////////////////////////////////Ex2
strcpy(cpString,course_name);
puts(cpString);
////////////////////////////////////////////////////////////Ex3
int states = strcmp(leftStr,rightStr);

if (states==0) {
printf("Strings are equal\n");
}
else {
printf("Strings are unequal\n");
}
printf("Value returned by strcmp() is: %d\n",states);
////////////////////////////////////////////////////////////Ex4
strcat(leftStr,rightStr);
                        [ Read 37 lines ]
^G Help       ^O Write Out  ^W Where Is   ^K Cut        ^T Execute
^X Exit       ^R Read File  ^\ Replace    ^U Paste      ^J Justify
```








klnimri@klnimri: ~

GNU nano 6.2 Lab4.c

```
////////////////////////////////////////////////////////////////////////////////Ex3
int states = strcmp(leftStr,rightStr);

if (states==0) {
printf("Strings are equal\n");
}
else {
printf("Strings are unequal\n");
}
printf("Value returned by strcmp() is: %d\n",states);
////////////////////////////////////////////////////////////////////////////////Ex4
strcat(leftStr,rightStr);
puts(leftStr);
puts(rightStr);
////////////////////////////////////////////////////////////////////////////////Ex5
char* Token = strtok(course_name," - ");
while(Token != NULL) {
printf("\n%s & quot:" , Token);
Token = strtok(NULL, " - ");
}
////////////////////////////////////////////////////////////////////////////////

return 0;
}
```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify