

main.c



Run

```
1 #include <stdio.h>
2 #include <string.h>
3 int main() {
4     FILE *fp;
5     char filename[100], pattern[50], line[500];
6     int found = 0;
7     printf("Enter file name: ");
8     scanf("%s", filename);
9     printf("Enter pattern to search: ");
10    scanf("%s", pattern);
11    fp = fopen(filename, "r");
12    if (fp == NULL) {
13        printf("File not found!\n");
14        return 0;
15    }
16    printf("\n--- Matching Lines ---\n");
17    while (fgets(line, sizeof(line), fp) != NULL) {
18        if (strstr(line, pattern) != NULL) { // Check substring match
19            printf("%s", line);
```

Output

```
Enter file name: os
Enter pattern to search: os
File not found!
== Code Execution Successful ==
```

Clear