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#include <stdio.h>
#include <string.h>

int main() {
    char fn[100], pat[100], temp[200];
    FILE *fp;
    int found = 0; // flag to track if any match was found

    printf("Enter file name: ");
    scanf("%99s", fn);

    printf("Enter the pattern: ");
    scanf("%99s", pat);

    fp = fopen(fn, "r");
    if (fp == NULL) {
        printf("Error: Cannot open file %s\n", fn);
        return 1;
    }

    printf("\nSearching for '%s' in file '%s'...\n\n", pat, fn);

    while (fgets(temp, sizeof(temp), fp)) {
        if (strstr(temp, pat)) { // print line if it contains the pattern
            printf("%s", temp);
            found = 1; // mark that we found at least one match
        }
    }

    if (!found) {
        printf("No match found.\n");
    }

    fclose(fp);
    return 0;
}

```

Enter file name: text.txt

Enter the pattern: sample

Searching for 'sample' in file 'text.txt'...

This is a sample line.

Another sample line.

Process exited after 7.077 seconds with return value 0

Press any key to continue . . .