#include <stdio.h>

#include <string.h>

int naiveStringMatcher(char \*text, char \*pattern) {

int s, j,n,m;

n = strlen(text);

m = strlen(pattern);

for (s = 0; s <= n - m; s++) {

for (j = 0; j < m; j++) {

if (text[s + j] != pattern[j]) {

break;

}}

if (j == m) {

return s; // valid shift found

} }

return -1; }

int main() {

char text[100], pattern[100];

int shift;

printf("Enter the text: ");

fgets(text, sizeof(text), stdin);

text[strcspn(text, "\n")] = '\0'; // remove newline character

printf("Enter the pattern: ");

fgets(pattern, sizeof(pattern), stdin);

pattern[strcspn(pattern, "\n")] = '\0'; // remove newline character

shift = naiveStringMatcher(text, pattern);

if (shift != -1) {

printf("Pattern found at index %d in the text.\n", shift);

} else {

printf("Pattern not found in the text.\n");

}

return 0;}