KMP

#include <stdio.h>

#include <string.h>

int main()

{

char string[100], matchcase[20];

int i, j, found = 0;

printf("Enter string: ");

scanf("%s", string);

printf("Enter substring: ");

scanf("%s", matchcase);

for (i = 0; i <= strlen(string) - strlen(matchcase); i++)

{

for (j = 0; j < strlen(matchcase); j++)

{

if (string[i+j] != matchcase[j])

break;

}

if (j == strlen(matchcase))

{

found = 1;

printf("Match found from position %d to %d.\n", i+1, i+j);

}

}

if (!found)

printf("No substring match found in the string.\n");

return 0;

}