#include <stdio.h>

#include <string.h>

#define MAX\_SIZE 100 //Maximum size of string

/\* Function declaration \*/

int countOccurrences(char \* string, char \* toSearch);

int main()

{

char string[MAX\_SIZE];

char toSearch[MAX\_SIZE];

int occurrences;

/\*

\* Reads string and word to be searched from user

\*/

printf("Enter any string: ");

gets(string);

printf("Enter word to search occurrences: ");

gets(toSearch);

occurrences = countOccurrences(string, toSearch);

printf("Total occurrences of '%s': %d\n", toSearch, occurrences);

return 0;

}

/\*\*

\* Gets, the total number of occurrences of a word in a string

\*/

int countOccurrences(char \* string, char \* toSearch)

{

int i, j, found, occurrences;

int stringLen, searchLen;

stringLen = strlen(string); //Gets, length of string

searchLen = strlen(toSearch); //Gets, length of word to be searched

occurrences = 0;

for(i=0; i<stringLen - searchLen; i++)

{

/\*

\* Matches the word with string

\*/

found = 1;

for(j=0; j<searchLen; j++)

{

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

{

found = 0;

break;

}

}

if(found == 1)

{

occurrences++;

}

}

return occurrences;

}

2)

#include <stdio.h>

#include <string.h>

void main()

{

int i, j = 0, k = 0, count = 0;

char str[100], key[20];

char str1[10][20];

printf("enter string:");

scanf("%[^\n]s",str);

/\* Converts the string into 2D array \*/

for (i = 0; str[i]!= '\0'; i++)

{

if (str[i]==' ')

{

str1[k][j] = '\0';

k++;

j = 0;

}

else

{

str1[k][j] = str[i];

j++;

}

}

str1[k][j] = '\0';

printf("enter key:");

scanf("%s", key);

/\* Compares the string with given word \*/

for (i = 0;i < k + 1; i++)

{

if (strcmp(str1[i], key) == 0)

{

for (j = i; j < k + 1; j++)

strcpy(str1[j], str1[j + 1]);

k--;

}

}

for (i = 0;i < k + 1; i++)

{

printf("%s ", str1[i]);

}

}