

Write a C program to check whether a substring is present in a string.

Test Data :

Input the string : This is a test string.

Input the substring to be search : search

*/

```
#include<stdio.h>
```

```
#include<string.h>
```

```
int main(){
```

```
    char sentence[100];
```

```
    char subString[100];
```

```
    printf("Enter the sentence : ");
```

```
    gets(sentence);
```

```
    printf("Enter the substring : ");
```

```
    gets(subString);
```

```
    int isPresent = 0;
```

```
    for (int i = 0; i <= strlen(sentence); i++) {
```

```
        int j;
```

```
        for (j = 0; j < strlen(subString); j++) {
```

```
            if (sentence[i + j] != subString[j]) {
```

```
                break;
```

```
            }
```

```
        }
```

```
        if (j == strlen(subString)) {
```

```
            isPresent = 1;
```

```
            break;
```

```
        }
```

```
    }
```

```
    if (isPresent) {
```

```
        printf("True: Substring is present in the string.\n");
```

```
    } else {
```

```
        printf("False: Substring is not present in the string.\n");
```

```
    }
```

```
    return 0;
```

```
}
```

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main.c

SaveRun

Output

Clear

```
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2
3  Test Data :
4  Input the string : This is a test string.
5  Input the substring to be search : search
6
7  */
8
9  #include<stdio.h>
10 #include<string.h>
11 int main(){
12
13     char sentence[100];
14     char subString[100];
15
16     printf("Enter the sentence : ");
17     gets(sentence);
18
19     printf("Enter the substring : ");
20     gets(subString);
21
22     int isPresent = 0;
23     for (int i = 0; i <= strlen(sentence); i++) {
24         int j;
25         for (j = 0; j < strlen(subString); j++) {
26             if (sentence[i + j] != subString[j]) {
27                 break;
28             }
29         }
30         if (j == strlen(subString)) {
```

```
/*tmp/IHuJUxd9x2.o
Enter the sentence : this is a sentence
Enter the substring : sentence
True: Substring is present in the string.
```