

```
1 #include<stdio.h>
2 #include<string.h>
3
4 int main(){
5
6     char String[20];
7     char Pattern[20];
8
9     printf("Enter the String ? \n");
10    scanf("%s",String);
11
12    printf("Enter the Pattern in String : ' %s ' \n",String);
13    scanf("%s",Pattern);
14
15    int flag=0;
16
17    int string_len = strlen(String);
18    int pattern_len = strlen(Pattern);
19
20    for(int i=0;i<string_len;i++){
21
22        int j; /* Note declared outside its loop */
23        for(j=0;j<pattern_len;j++){
24            if(String[i+j] != Pattern[j])
25                break;
26        }
27
28        if(j == pattern_len){
29            flag=1;
30            printf("Pattern has been found at index : %d \n",i);
31        }
32    }
33
34    if(!flag){
35        printf("Pattern didnt match anywhere");
36    }
37
38 }
```