```
#include <stdio.h>
     #include <string.h>
     int pattern match(char[],char[]);
 5
    pint main() {
 6
       char a[100], b[100];
 7
       int pos;
 8
 9
       printf("Enter the Source String:\n");
10
       gets(a);
11
12
       printf("Enter the Pattern to find : \n");
13
       gets(b);
14
15
       pos=pattern match(a, b);
16
       if (pos!= -1) {
17
18
         printf("The Pattern is found at the location: %d\n", pos+1);
19
20
       else {
         printf("Pattern not Found\n");
21
22
23
24
       return 0;
25
26
27
    pint pattern match(char text[], char pattern[]) {
28
       int i,j,k, text length, pattern length, pos= -1;
29
30
       text length
                      = strlen(text);
       pattern length = strlen(pattern);
31
32
33
       if (pattern length > text length) {
34
         return -1;
35
36
       for (i=0; i<=text length-pattern length;i++) {</pre>
37
38
         nos=k=i:
```

```
19
20
       else {
21
         printf("Pattern not Found\n");
22
23
24
       return 0;
25
27
   pint pattern match(char text[], char pattern[]) {
       int i,j,k, text length, pattern length, pos= -1;
28
29
30
       text length
                      = strlen(text);
31
       pattern length = strlen(pattern);
32
33
       if (pattern_length > text_length) {
34
         return -1;
35
36
37
       for (i=0; i<=text length-pattern length;i++) {</pre>
38
         pos=k=i;
39
40
         for (j=0;j<pattern length;j++) {</pre>
41
           if (pattern[j] == text[k]) {
             k++;
44
           else {
45
             break;
46
48
         if (j== pattern length) {
           return pos;
50
51
52
53
       return -1;
54
```

## GIL C:\WINDOWS\SYSTEM32\cmd.exe

## C:\WINDOWS\SYSTEM32\cmd.exe

```
Enter the Source String:
bmscollege
Enter the Pattern to find :
de
Pattern not Found

(program exited with code: 0)

Press any key to continue . . . .
```