

```

#include<stdio.h>
#include<conio.h>
char str[100], pat[50], rep[50], ans[100];
int i, j, c, m, k, flag=0;

void stringmatch()
{
    i = m = c = j = 0;
    while(str[c] != '\0')
    {
        if(str[m] == pat[i])
        {
            i++; m++;
            if(pat[i] == '\0')
            {
                flag = 1;
                for(k = 0; rep[k] != '\0'; k++, j++)
                    ans[j] = rep[k];
                i = 0;
                c = m;
            }
        }
        else
        {
            ans[j] = str[c];
            j++;
            c++;
            m = c;
            i = 0;
        }
    }
}

void main()
{
    clrscr();
    printf("\nEnter a main string \n");
    gets(str);
    printf("\nEnter a pattern string \n");
    fflush();
    gets(pat);
    printf("\nEnter a replace string \n");
    fflush();
    gets(rep);
    stringmatch();
    if(flag == 1)
        printf("\nThe resultant string is\n %s" , ans);
    else
        printf("\nPattern string NOT found\n");
    getch();
}

```