

Write a Program to Replace substring in a string

Description

Get a string as input from the user and then get another string which has to be removed from the string. Get the third input, the new substring which is placed in that substring position. Finally print the output by replacing the substring with new string.

Input

Enter a string

talentbattle

Enter the substring to be removed:

talent

Enter the new substring:

student

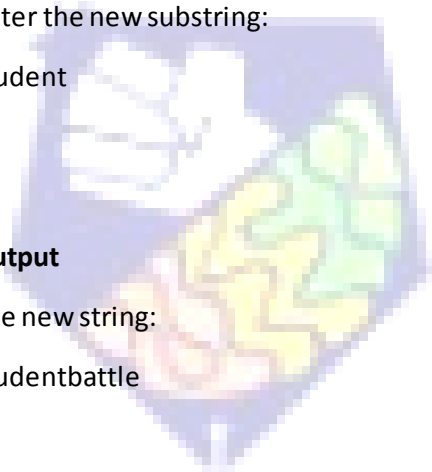
Output

The new string:

studentbattle

C Program

```
#include <stdio.h>
#include <string.h>
void replace(char str[],char sub[],char nstr[])
{
    int strLen,subLen,nstrLen;
    int i=0,j,k;
    int flag=0,start,end;
    strLen=strlen(str);
    subLen=strlen(sub);
```



TalentBattle

Talent Battle 100 Days Coding Series

```
nstrLen=strlen(nstr);
for(i=0;i<strLen;i++)
{
    flag=0;
    start=i;
    for(j=0;str[i]==sub[j];j++,i++)
        if(j==subLen-1)
            flag=1;
    end=i;
    if(flag==0)
        i-=j;
    else
    {
        for(j=start;j<end;j++)
        {
            for(k=start;k<strLen;k++)
                str[k]=str[k+1];
            strLen--;
            i--;
        }

        for(j=start;j<start+nstrLen;j++)
        {
            for(k=strLen;k>=j;k--)
                str[k+1]=str[k];
            str[j]=nstr[j-start];
            strLen++;
            i++;
        }
    }
}
```

TalentBattle

```
    }  
  }  
}
```

```
int main()  
{  
    char str[20],sub[20],nstr[50];  
    printf("Enter a string: ");  
    scanf("%s",str);  
    printf("Enter the substring to be removed: ");  
    scanf("%s",sub);  
    printf("Enter the new substring: ");  
    scanf("%s",nstr);  
    replace(str,sub,nstr);  
    printf("The new string: %s",str);  
    return 0;  
}
```

C++ Program

```
#include <iostream>  
#include <string.h>  
using namespace std;  
void replace(char str[],char sub[],char nstr[])  
{  
    int strLen,subLen,nstrLen;  
    int i=0,j,k;  
    int flag=0,start,end;  
    strLen=strlen(str);  
    subLen=strlen(sub);
```

TalentBattle

Talent Battle 100 Days Coding Series

```
nstrLen=strlen(nstr);
for(i=0;i<strLen;i++)
{
    flag=0;
    start=i;
    for(j=0;str[i]==sub[j];j++,i++)
        if(j==subLen-1)
            flag=1;
    end=i;
    if(flag==0)
        i-=j;
    else
    {
        for(j=start;j<end;j++)
        {
            for(k=start;k<strLen;k++)
                str[k]=str[k+1];
            strLen--;
            i--;
        }

        for(j=start;j<start+nstrLen;j++)
        {
            for(k=strLen;k>=j;k--)
                str[k+1]=str[k];
            str[j]=nstr[j-start];
            strLen++;
            i++;
        }
    }
}
```

TalentBattle

Talent Battle 100 Days Coding Series

```
    }  
    }  
}
```

```
int main()  
{  
    char str[20],sub[20],nstr[50];  
    cout<<"Enter a string: ";  
    cin>>str;  
    cout<<"Enter the substring to be removed: ";  
    cin>>sub;  
    cout<<"Enter the new substring: ";  
    cin>>nstr;  
    replace(str,sub,nstr);  
    cout<<"The new string: "<<str<<endl;  
    return 0;  
}
```

Java

```
import java.util.Scanner;  
  
public class Main  
{  
    public static void main(String[] args) {  
        Scanner sc = new Scanner(System.in);  
        System.out.print("Enter a string: ");  
        String str = sc.nextLine();  
        System.out.print("Enter the string to be removed: ");  
        String sub = sc.nextLine();  
        System.out.print("Enter the new string: ");
```

Talent Battle 100 Days Coding Series

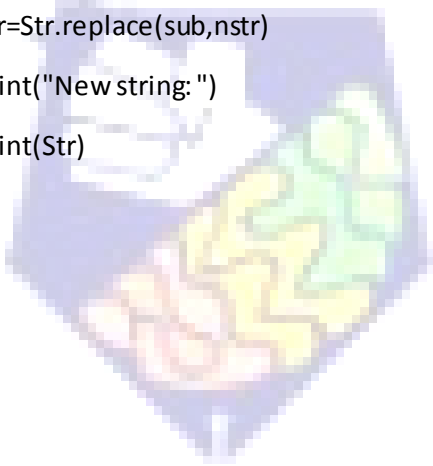
```
String newstr=sc.nextLine();

String repstr= str.replace(sub, newstr);

System.out.println("New String is :"+repstr);
    }
}
```

Python

```
Str=input("Enter a string: ")
sub=input("Enter string to be removed: ")
nstr=input("Enter ne string: ")
Str=Str.replace(sub,nstr)
print("New string: ")
print(Str)
```



TalentBattle