

Program to perform string operation.

CODE:

```
#include<bits/stdc++.h>
using namespace std;
int main()
{
    string FN;
    string LN;

    cout<<"Enter your First Name : ";
    cin>>FN;
    cout<<"Enter your Last Name : ";
    cin>>LN;

    // Concatenation of Two Strings
    string fullName = FN + " " + LN;
    cout<<"After Concatenation : "<<fullName<<endl;

    //String converted to uppercase
    transform(fullName.begin(), fullName.end(), fullName.begin(), ::toupper);
    cout<<"After Converting to UpperCase : " << fullName << endl;

    //string converted to lowercase
    transform(fullName.begin(), fullName.end(), fullName.begin(), ::tolower);
    cout<<"After Converting to LowerCase : " << fullName << endl;

    //String Length
    cout << "Length of String : " << fullName.size()<<endl;

    //Remove White Space
    fullName.erase(remove(fullName.begin(), fullName.end(), ' '), fullName.end());
    cout << "After White Space Removal : " << fullName;

    return 0;
}
```

OUTPUT:

```
PS M:\Mayur\Clg Notes\5th SEM\Theory of Computation\programs> cd "m:\Mayur\Clg Notes\5th SEM\Theory of Computation\programs" & if ($?) { g++ String_operation.cpp -o String_operation } ; if ($?) { .\String_operation.exe }
Enter your First Name : Mayur Bohra
Enter your Last Name : After Concatenation : Mayur Bohra
After Converting to UpperCase : MAYUR BOHRA
After Converting to LowerCase : mayur bohra
Length of String : 11
After White Space Removal : mayurbohra
PS M:\Mayur\Clg Notes\5th SEM\Theory of Computation\programs>
```