

Assignment : 3

Q1. Write a program for string operations in c++ using string and cstring type.

Ans.

```
#include<iostream>
#include<string>
#include<cstring>
using namespace std;
int main()
{
    string str1="Prathmesh";
    string str2=" Ushkewar";
    string str3;
    int len;
    str3 = str1;
    cout<<"String After Copying by String library : "<<str3<<endl;
    char a[]="Prathmesh";
    char b[50];
    char c[]=" Ushkewar";
    strcpy(b, a);
    cout<<"String After Copying by cstring library : "<<b<<endl;
    str3 = str1 + str2;
    cout<<"String after concatenation by String library : "<<str3<<endl;
    strcat(a, c);
    cout<<"String after concatenation by cstring library : "<<a<<endl;
    len=str3.size();
    cout<<"Length of The String by using String library : "<<len<<endl;
    cout<<"Length of The String by using cstring library : "<<strlen(a)<<endl;
    cout<<"Comparison of string a and c by using cstring library : "<<strcmp(c, a)<<endl;
    cout<<"Comparison of string str3 and str1 by using string library : "<<str3.compare(str1);
}
```