2. Write a C++ program to overload the relational operators <= to compare 2 objects of my-String class.

Program:

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// Program Name: Program to compare two Strings
// through Operator Overloading
//
#include<iostream>
using namespace std;
class my_String
{
    public: char str[20];
        void getdata()
        {
            cin>>str;
        }
        void display()
        {
            cout<< str;
        }
    friend int operator <= (my_String m1, my_String m2);
};
int operator <= (my_String m1, my_String m2)
{
    int i=0;
while ((m1.str[i] == m2.str[i] && (m1.str[i] != '\0'
    || m2.str[i] != '\0'))
{
        i++;
}
```

```
    return (m1.str[i] - m2.str[i]);
}
int main()
{
    my_string m1, m2;
    cout<< "Enter the First String:";
    m1.getdata();
    cout<< "Enter the Second String:";
    m2.getdata();
    int result = m1<=m2;
    if(result<=0)
    {
        cout<< m1.str<< " string is less than "
    <<m2.str<<endl;
    }
    else if (result==0)
    {
        cout<< " Strings are equal \n";
    }
    else
    {
        cout<< m1.str<< " is greater than "<<m2.str
        <<endl;
    }
    return 0;
}
```

OUTPUT:

Enter the First String : hello
Enter the Second String : world
hello string is less than world