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Program

```
import java.util.Scanner;

class Polymorphism
{
    public void mystrcmp(String s1,String s2)
    {
        int l1=s1.length();
        int l2=s2.length();

        if(l1==l2)
        {
            for(int i=0;i<l1;i++)
            {
                if(s1.charAt(i)==s2.charAt(i))
                    continue;
                else if(s1.charAt(i)>s2.charAt(i))
                {
                    System.out.println("S1 is greater than s2");
                    return;
                }
                else
                {
                    System.out.println("S2 is greater than s1");
                    return;
                }
            }
            System.out.println("Strings are equal");
        }
        else if(l1>l2)
        {
            System.out.println("S1 is greater than S2");
        }
        else
        {
            System.out.println("S2 is greater than S1");
        }
    }

    public void mystrcmp(String s1,String s2,int number)
    {
        int l1=s1.length();
        int l2=s2.length();
```

```

        if(number>11 || number>12)
            System.out.println("Invalid Number,Length is smaller than number
entered");

        for(int i=0;i<number;i++)
        {
            if(s1.charAt(i)==s2.charAt(i))
                continue;
            else if(s1.charAt(i)>s2.charAt(i))
            {
                System.out.println("S1 is greater than s2");
                return;
            }
            else
            {
                System.out.println("S2 is greater than s1");
                return;
            }
        }

        System.out.println("Strings are equal");
    }

    public static void main(String[] args) {
        Polymorphism p = new Polymorphism();

        // Sample strings for testing
        String s1 = "hello";
        String s2 = "world";

        String s3 = "hello";
        String s4 = "hello";

        p.mystrcmp(s1, s2);
        p.mystrcmp(s1, s2,2);

        p.mystrcmp(s3,s4);
        p.mystrcmp(s3,s4,3);
    }
}

```

## Output

```

S2 is greater than s1
S2 is greater than s1
Strings are equal
Strings are equal

```