

String :-

Anything

" "

↳ String object

"Telusko"

int
float
char

String
↓
object

" "

↳ String object

"T"

"123"

↳ String

"Telusko"

"@H"

↳ String

" "

⇒ 2 Types String objects

Mutable String
(changeable)

— Immutable String
(non-changeable)

⇒ StringBuffer
StringBuilder

⇒ String

eg:- Name

Father Name

Gender

eg:- Social media username
password
email

≡

Immutable String object

⇒ String ⇒ Heap area

Heap area

Duplicates are allowed.

with new keyword

String (constant pool)

SC/CP

Duplicates are not allowed.

without new keyword

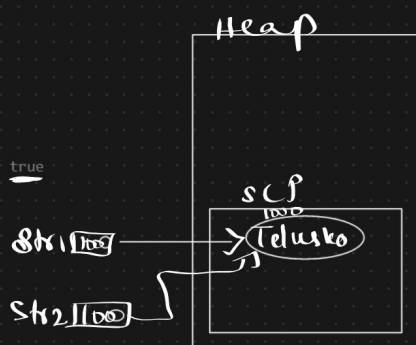
⇒ ① String name = "Navin";

② String name = new String("Navin");

=> ways to compare String objects

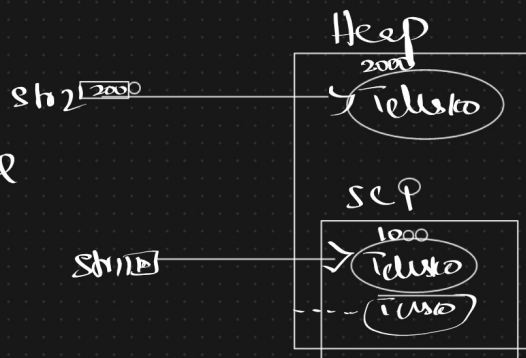
- ① == => reference of string objects compared
- ② equals() => actual string object (value) compared
- ③ equalsIgnoreCase() => ignoring case sensitivity
- ④ compareTo() => lexicographically char to char comparison

```
String str1="Telusko";
String str2="Telusko";
System.out.println(str1.equals(str2)); //String Object is compared // true
System.out.println(str1==str2); // references are compared // true
```

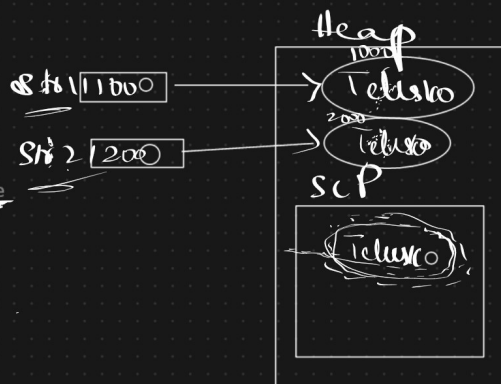


→

```
String str1="Telusko";
String str2=new String("Telusko");
System.out.println(str1.equals(str2)); true
System.out.println(str1==str2); false
```

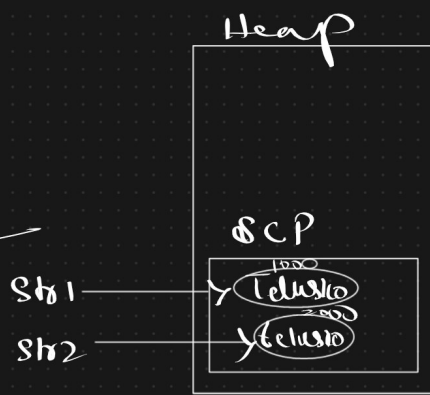


```
String str1=new String("Telusko"); =>
String str2=new String("Telusko"); =>
System.out.println(str1.equals(str2)); //true
System.out.println(str1==str2); //false
```



```
String str1="Telusko";
String str2="telusko";

System.out.println(str1.equals(str2)); // false ✓
System.out.println(str1==str2); // false
```



⇒ Telusko
116

Telusko
8416
Telusko
84161

⇒ 84
⇒ 32 ⇒ 84 ⇒ 32

84 161 108 112 115 107 111

84 161 108 117 115 107 111

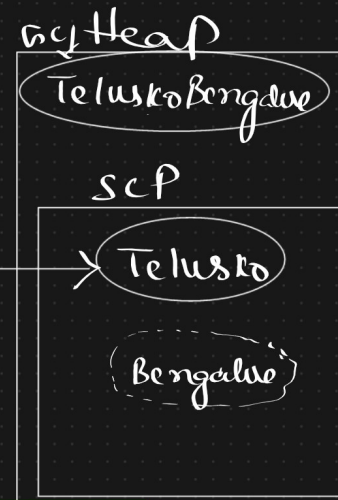
Telusko
116
Telusko
83
115

0 0 0 0 6 0 0

```
String str1="Telusko";
System.out.println(str1); // Telusko

str1.concat("Bengaluru");
System.out.println(str1); // Telusko
```

-32 ✓



```
String str1="Telusko";
System.out.println(str1); // Telusko ✓

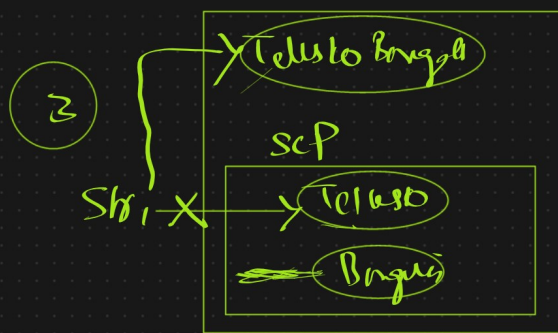
String str2=str1.concat(" Bengaluru");
System.out.println(str2); // Telusko Bengaluru ✓
```



```
String str1="Telusko";
System.out.println(str1); // Telusko

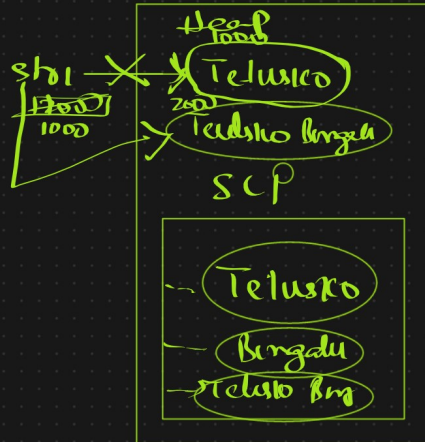
str1=str1.concat(" Bengaluru");
System.out.println(str1); // Telusko Bengaluru
```





```
String str1=new String("Telusko");
System.out.println(str1);// Telusko

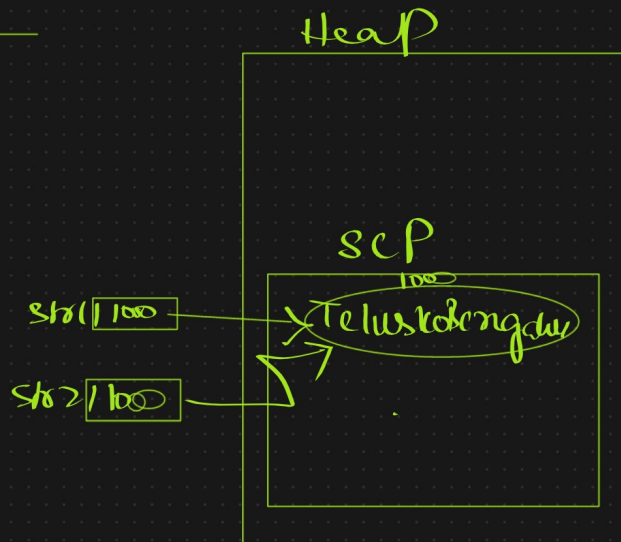
str1=str1.concat(" Bengaluru");
System.out.println(str1);// Telusko Bengaluru
```



```
String str1="TeluskoBengaluru";
System.out.println(str1);// TeluskoBengaluru

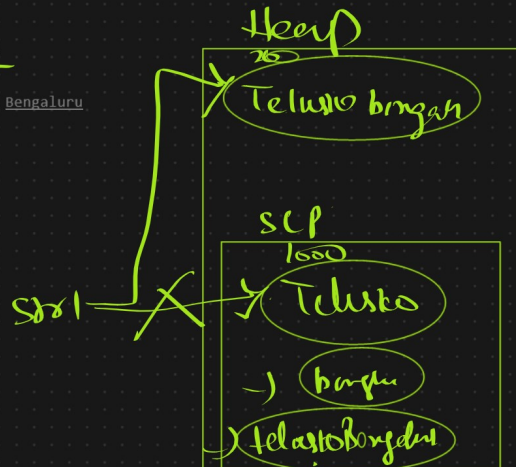
String str2="Telusko" + "Bengaluru";
System.out.println(str2);// TeluskoBengaluru

System.out.println(str1==str2);
```



```
String str1="Telusko";
System.out.println(str1);// Telusko

str1=str1 + "bengaluru";
System.out.println(str1);// Telusko Bengaluru
```



```
StringBuffer sb1=new StringBuffer("Telusko");  
System.out.println(sb1);  
  
sb1.append(" Bengaluru");  
System.out.println(sb1);
```



sb1

