

\Rightarrow String = Immutable object

① '+' operator ② concat().

✓ vs ✓

\Rightarrow

final int a = 10; a 10
a ~~20~~

(-) String s1 = "Java"; s1 ~~Java~~
s1 = s1 + "Tutorials"; s1 ~~Java Tutorials~~

\Rightarrow compareTo() \rightarrow compare string

\Downarrow

int is return type

0 -negative +ve

s1 \rightarrow S a u t a v
83 97 117 114 97 118

s2 \rightarrow S a u t a v
83 97 117 114 97 118

0 0 0 0 0 0 0

s1.compareTo(s2) \rightarrow 0

int res = s1.compareTo(s2);

if (res == 0)

both are equal

S1 → S A C H I N
83 65 67 72 73 78

S2 → S A U R A V
83 65 85 82 65 86
0 0 -18

→ -ve

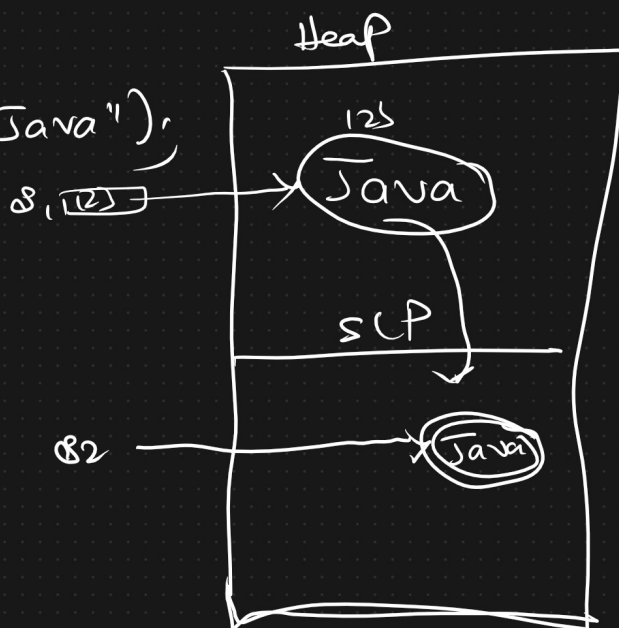
S A C H I N ↓

S A C H I N T E
0 0 0 0 0 0 84

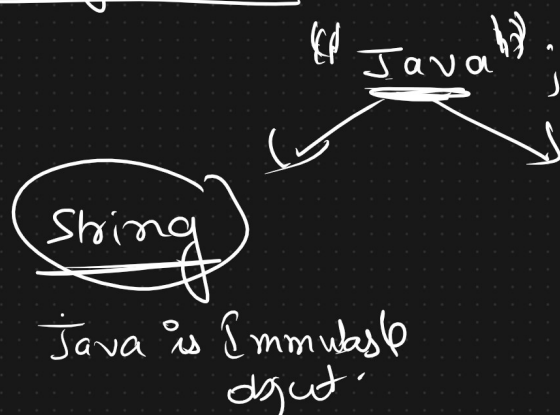
intern() :-

String s1 = new String("Java");

String s2 = s1.intern();



Mutable String object :-



StringBuffer / Builder
Java is mutable

final \rightarrow val \times on object

StringBuffer sb = new StringBuffer("Java");

String \Rightarrow \swarrow sb.append("is");
333 sb \leftrightarrow Java is

StringBuffer \checkmark StringBuilder

== 1.4

== 333

synchronized void trimSize()

4 == == == == ==
y

333 multithreading