

String s.

Nothing but Character Array

⇒ User input :-

Two ways.

⇒ String str = sc.next();

After space it will skip everything

Just consider 1st word. Not entire statement.

⇒ String str = sc.nextLine();

Chandraakant.

"Chandraakant Manu."

⇒ Declaration :-

String s = "Hello";

charAt() And length() methods.

use 'to' find length of string

use to Access a particular char. in string using its index.

String s = "Raghu";

s.length() ⇒ 6.

s[3]

s.charAt(3)

→

'h'

'a' & 'A' are different.

is used to compare 2 Given string lexicographically

indexOf() And compareTo().

Returns the index of first Occurrence.

c = "abc"

a = "abc"; b = "dbc";

s.indexOf('a');

a.compareTo(b); → Case 2.

→ (4)

s.indexOf('z');

'a' - 'd'

97 - 100

Ans ⇒ 97 - 100 ⇒ -3

→ (-1)

last Occurrence idx.

s.lastIndexOf('a');

→ (4)

a.compareTo(c); → 0

c = "abc"

a = "abczzzz"; Returns this length

a.compareTo(c); → (4)

c.compareTo(a); → (-4)

Contains()

~~Checks that is string containing the given sub string.~~

Checks that is string containing the given sub string, in continuous order

s.contains("ghu"); → true

s.contains("hvu"); → false

startsWith() on endsWith().

similar to contains

Just checks from start

s.startsWith("Rag"); → true

toLowerCase() / toUpperCase()
 s = "Raghav"

Returns the modified string, didn't make changes in actual one.

Page No.:	YOUVA
Date:	

s.toLowerCase() → "raghav"
 s.toUpperCase() → ~~RAGHAV~~ RAGHAV

concat() → use to concat two strings
 a = "abc" b = "xyz"

a.concat(b); → abxyz
 It also returns the modified string, didn't make changes in actual one (in this case in a)

substring(i) & substring(i, j)
 start idx start idx end idx + 1

→ Returns the substring from start index to end last index.

s = "abcde";

s.substring(3); → "de"
 start index

s.substring(1, 4); → "bcd"
 Gets part of string from i to j-1 index

s.substring(2, 2); → ""

s.substring(0, 5); → abcde

It follows the Rule of Operators

+

Operator It is too time costly. Every time creates new string

Sout("abc" + 10 + 20); → "abc1020"

Sout(10 + 20 + "abc"); → "30abc"

Integer.toString(n)

→ Convert Given No. as it is in string

Integer.toString(789); → "789"

{# Interesting}

unable to change

String is Immutable

String s = "Raghav";

s = "Madhav";

This is possible

s.charAt(0) = 'M';

↳ Error

Internally →

String q = "Madhav";

s → "Raghav"
 q → "Madhav"

Now s is pointing to madhav.

String x = new String("Madhav");

x → "Madhav"

* `setCharAt()`

`StringBuilder sb = new StringBuilder("Raghav");`

`sb.setCharAt(2, 'a');`

`cout(sb);` → "Raahav"

index → value needed to set

* `append()` → use to append Anything in `StringBuilder` from Back.

Array also

`sb.append("xyz");` → "Raahavxyz"

`sb.append(25);` → "Raahavxyz25"

* `deleteCharAt(idx);`

↳ Based on idx. Particular Character will be removed from `StringBuilder`. Also shifts the characters to fill the index

`sb = "Raghav";`

* `delete()`

used to delete on substring part of continuous string

↳ `sb.delete(2, 5);`

↳ "Ray" it will consider -1 means 4

* `insert(idx, value)`

↳ It can be int, char, string...

* Also shifts Rest of the Elements.

`sb.insert(2, 'c');` → "Racghav"

index → value need to insert

* `reverse()` → use to reverse A `StringBuilder`

↳ `sb.reverse();` → "vahger"

`char[] a = new char[6];`

↳ Default value is null Character ['\0']