

Class Test - 1

1) String class in Java:-

Java string is basically an object that represents sequence of char values.

-> An array of character works same as Java string for example.

```
char[] ch = {'s', 'a', 'i', 'n', 'i', 'n', 'g'}
```

```
String s = new String(ch);
```

```
-> String s = "Krishna"
```

-> Java string class provide a lot of method to perform operation.
compareTo(), lastIndexOf(), equals(), split(), length(), replace(), compareTo() etc.

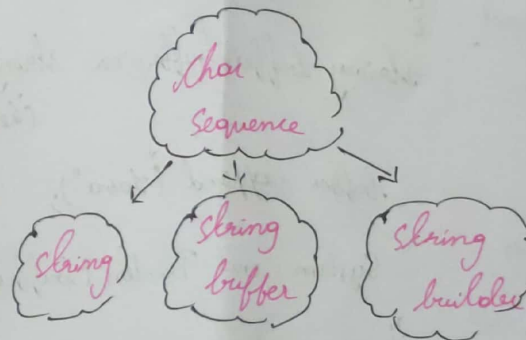
-> The java.lang.String class implements Serializable, Comparable and CharSequence interfaces.

Serializable

Comparable

String

Char Sequence



There are two ways to create string object.

=> By string literal

=> By new

Java String class Methods:-

1) char charAt(int index):-

It returns char value for the Particular index.

2) int length() :-

It returns the string length.

3) static String format(String format):-

Object args it returns a formatted string.

4) String substring(int beginIndex):-

It returns substrings for given start begin index.

5) Boolean isEmpty():-

It returns true or false.

6) Boolean isBlank():-

It checks if the string is empty.

7) String concat(String str):-

It concatenates the specified string.

8) String Intern():-

It returns a split string matching.

9) int indexOf(char ch):-

It returns the specified char.

2) String buffer:-

→ String buffer is a Peer class of String that provides much of the functionality of String.

→ The String represents fixed length and immutable character sequence while String buffer grows and sequence.

→ String buffer may have character of substring inserted in middle or appended to the end.

→ It will automatically grow to make room for such addition and often has more characters than are actually needed to allow room for growth.

→ In order to create a single String buffer or object needs to be created.

ex:- String Buffer:-

```
* Public class buffer test
```

```
{  
    Public static void main (String args)
```

```
{  
    String buffer buff = new String buffer  
        ("hello");
```

```
    buff.append ("Java");
```

```
    System.out.println (buff);
```

```
}
```

```
}
```

* String builder:-

→ It is similar to String buffer. The String builder in Java represents a mutable sequence of character.

→ The String builder class provides an alternative to String class, as it declares creates a mutable sequence of character.

→ The function of the String builder is very much similar to the String buffer class or both of them provide an alternative to String.

→ Creating a new String with name etc.

ex:- String builder:-

```
* Public class builder Test {
```

```
    Public static void main (String  
        args {
```

```
{  
    String builder builder = new String  
        builder ("hello");
```

```
    builder.append ("Java");
```

```
    System.out.println (builder);
```

```
}
```

```
}
```