**StringBuilder Class**

🡪**StringBuilder** in Java represents a mutable sequence of characters. Since the String Class in Java creates an immutable sequence of characters, the StringBuilder class provides an alternative to String Class, as it creates a mutable sequence of characters.

🡪The function of StringBuilder is very much similar to the StringBuffer class, as both of them provide an alternative to String Class by making a mutable sequence of characters.

🡪However, the StringBuilder class differs from the StringBuffer class on the basis of synchronization. The StringBuilder class provides no guarantee of synchronization whereas the StringBuffer class does.

🡪Where possible, it is recommended that this class be used in preference to StringBuffer as it will be faster under most implementations.

🡪Instances of StringBuilder are not safe for use by multiple threads, For multiple threads we will use the StringBuffer.

🡪funtion such as synchronization is required then it is recommended that StringBuffer be used. String Builder is not thread-safe and high in performance compared to String buffer.

🡪The operation like the s1+”add this” and the System.out.println() is much costlier than the .append function of the StringBuilder and hence printing many times takes lot of the time instead we can use the .append function of the StringBuilder

🡪We can create the object of the StringBuildrer by the three ways :

1. StringBuilder str1=new StringBuilder();
2. Stringbuilder str2=new StringBuilder(“ABCD<ANY-VALUE>”);
3. StringBuilder str3=new StringBuilder(str1.toString());

🡺Methods of the StringBuilder





