***Dt : 12/9/2022***

***Note:***

***=>'StringBuffer' is a Synchronized and Thread-safe class.***

***faq:***

***define synchronized class?***

***=>The class which is holding synchronized methods is known as***

***Synchronized class.***

***faq:***

***define synchronized methods?***

***=>The methods which are declared with 'synchronized' keyword are***

***known as synchronized methods.***

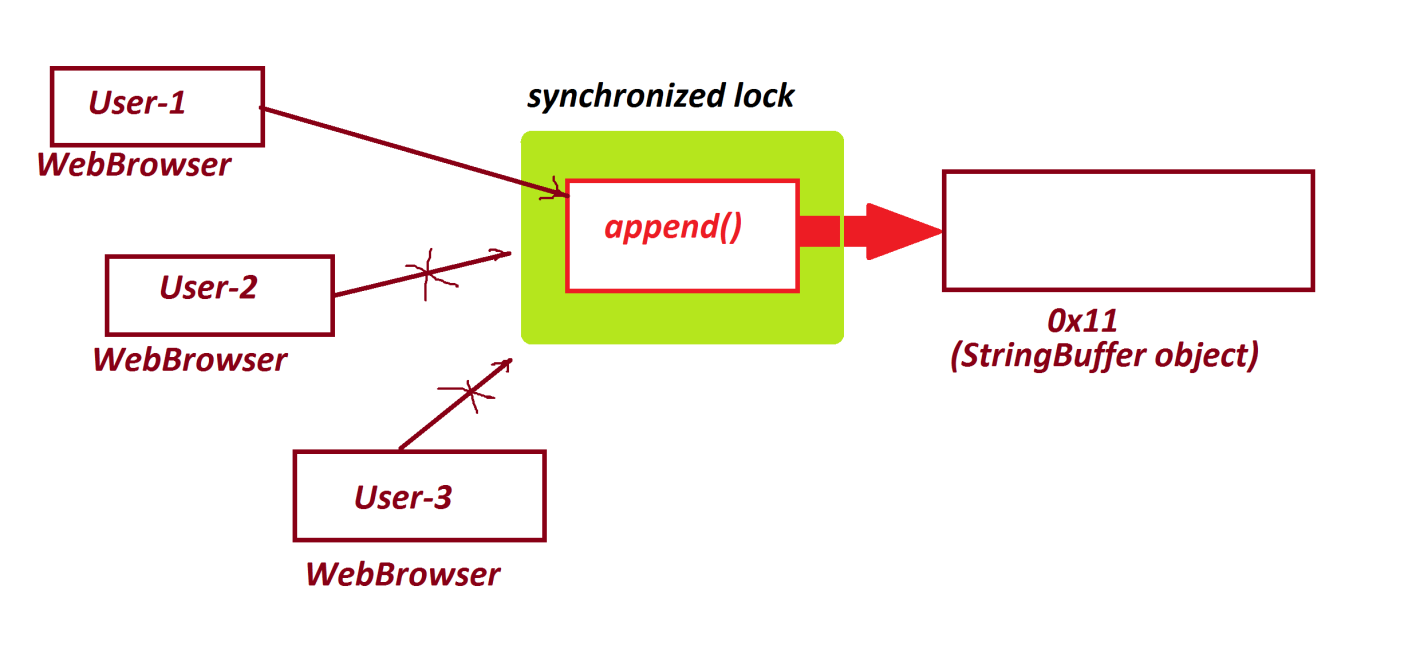
***faq:***

***wt is the advantage of Synchronized method?***

***=>The method will be under the 'synchronized lock' and the method***

***is available to one user at-a-time***

***Diagram:***

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***=======================================================***

***(3)java.lang.StringBuilder class:***

***=>The objects which are created using 'StringBuilder' are also***

***Mutable objects.***

***=>The following are four constructors from 'StringBuilder':***

***public java.lang.StringBuilder();***

***public java.lang.StringBuilder(int);***

***public java.lang.StringBuilder(java.lang.String);***

***public java.lang.StringBuilder(java.lang.CharSequence);***

***=>'StringBuilde' having the same behaviour like StringBuffer.***

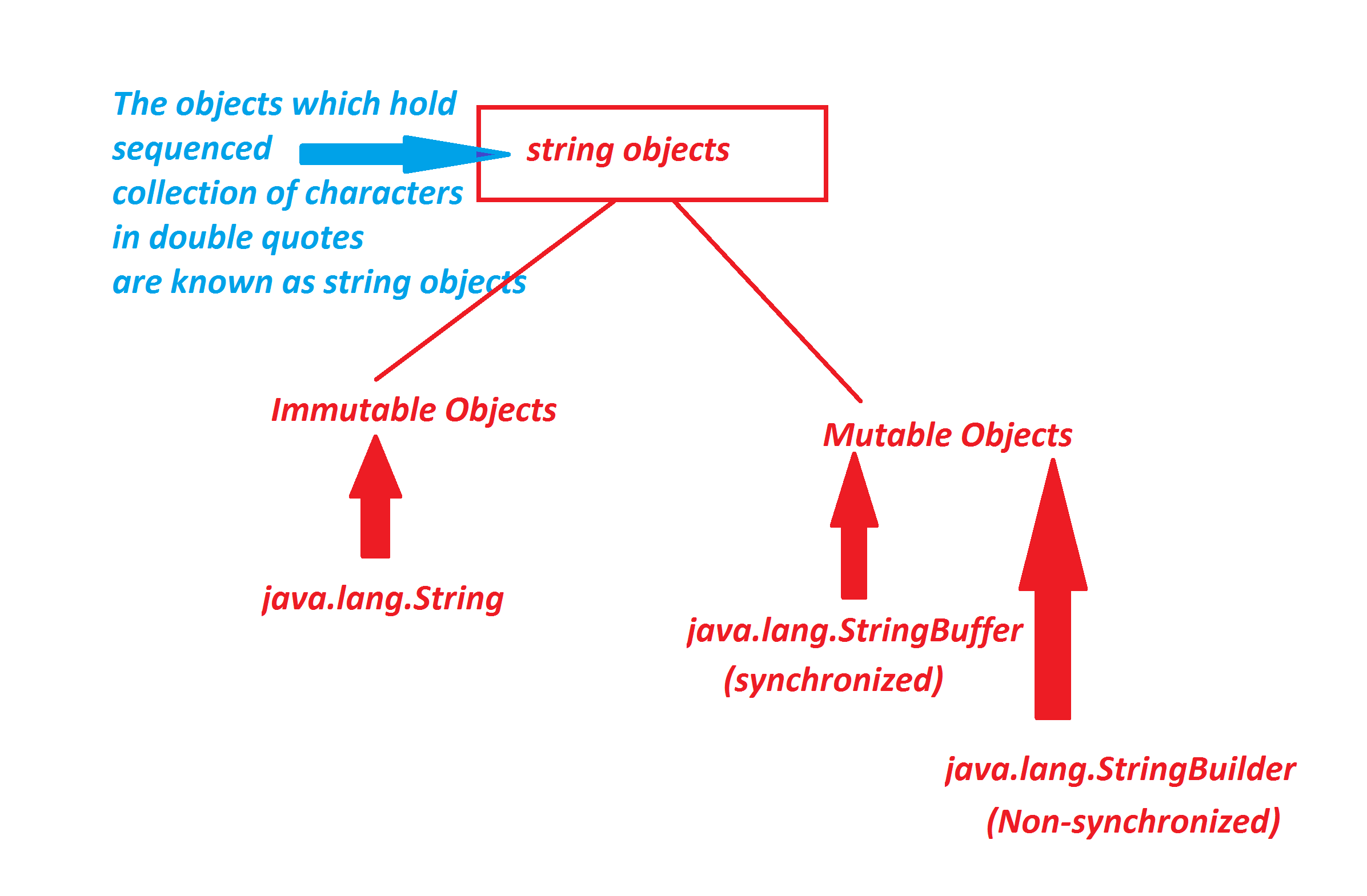
***Note:***

***=>'StringBuilder' class is Non-synchronized class and Non-Thread***

***Safe class.***

***=>StringBuffer is used in Multi-User applications and StringBuilder***

***is used in Single User applications.***

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***================================================================***

***\*imp***

***=>The following are some important utility classes on string***

***Objects:***

***(a)StringTokenizer class***

***(b)StringJoiner class***

***(a)StringTokenizer class:***

***=>'StringTokenizer' class is from java.util package and which is***

***used to break the given string into pieces(tokens) based on '***

***delimiter'.***

***=>The following are some important methods of StringTokenizer:***

***(i)hasMoreTokens()***

***(ii)nextToken()***

***(iii)countTokens()***

***(i)hasMoreTokens():***

***=>hasMoreTokens() will check the token available or not,and***

***returns boolean result.***

***Method Signature:***

***public boolean hasMoreTokens();***

***(ii)nextToken():***

***=>nextToken() method retrieve and delete the token from the***

***object.***

***Method Signature:***

***public java.lang.String nextToken();***

***(iii)countTokens():***

***=>countTokens() method is used to count the tokens.***

***Method Signature:***

***public int countTokens();***

***syntax:***

***StringTokenizer ob = new StringTokenizer(str,"delimiter");***

***Ex: DemoTokenizer1.java***

***package maccess;***

***import java.util.\*;***

***public class DemoTokenizer1 {***

***public static void main(String[] args) {***

***Scanner s = new Scanner(System.in);***

***System.out.println("Enter the String:");***

***String str = s.nextLine();***

***System.out.println("Enter the delimiter:");***

***String d = s.nextLine();***

***StringTokenizer ob = new StringTokenizer(str,d);***

***System.out.println("====Count of tokens====");***

***int count = ob.countTokens();***

***System.out.println("Count:"+count);***

***System.out.println("====Display Tokens====");***

***while(ob.hasMoreTokens()) {***

***String tk = ob.nextToken();***

***System.out.println("Token : "+tk);***

***}//end of while***

***s.close();***

***}***

***}***

***o/p:***

***Enter the String:***

***java is a good programming language since 1995***

***Enter the delimiter:***

***g***

***====Count of tokens====***

***Count:6***

***====Display Tokens====***

***Token : java is a***

***Token : ood pro***

***Token : rammin***

***Token : lan***

***Token : ua***

***Token : e since 1995***

***=====================================================***