**StringBuilder class**

StringBuilder is identical to StringBuffer except for one important difference it is not synchronized, which means it is not thread safe. Its because StringBuilder methods are not synchronised.

#### StringBuilder Constructors

1. **StringBuilder** ( ), creates an empty StringBuilder and reserves room for 16 characters.
2. **StringBuilder** ( int size ), create an empty string and takes an integer argument to set capacity of the buffer.
3. **StringBuilder** ( String str ), create a StringBuilder object and initialize it with string str.

#### Difference between StringBuffer and StringBuilder class

|  |  |
| --- | --- |
| **StringBuffer class** | **StringBuilder class** |
| StringBuffer is synchronized. | StringBuilder is not synchronized. |
| Because of synchronisation, StringBuffer operation is slower than StringBuilder. | StringBuilder operates faster. |

Example

**class** Demo\_String**Buffer** {

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

{

StringBuilder str = **new** StringBuilder("CDAC");

str.append( " Jaipur" );

System.***out***.println(str);

str.replace( 6, 13, "Pune");

System.***out***.println(str);

str.reverse();

System.***out***.println(str);

}

}

**Output-**CDAC Jaipur

CDAC Pune

enuP CADC