

# String in Java

## 1.What is a String in Java?

Ans. String is the collection of character in array

## 2. Types of String in Java are?

Ans. Two types of String

- I. Immutable string
- II. Mutable string

## 3. In how many ways can you create string objects in Java?

Ans. There are two ways to create a String object: 1. Using string literal 2. Using new keyword  
Using string literal : Java String literal is created by using double quotes. For Example: String s="Welcome";  
Using new keyword : Java String is created by using a keyword "new".

## 4. What is a string constant pool?

Ans. ● String constant pool is a storage space in the Java heap memory where string literals are stored.

- It is also known as String Pool or String Intern Pool.

- It is privately maintained by the Java String class.

- By default, the String pool is empty.

- In here, Duplicasy not allowed

## 5. What do you mean by mutable and immutable objects?

Ans . An object whose internal state can be changed is mutable. On the other hand, immutable doesn't allow any change in the object once it has been created.

S.No.	Mutable	Immutable
1	Fields can be changed after the object creation	Fields cannot be changed after object creation
2	Generally provides a method to modify the field value	Does not have any method to modify the field value
3	Has Getter and Setter methods	Has only Getter method
4	Example: StringBuilder, java.util.Date	Example: String, Boxed primitive objects like Integer, Long and etc

## 6. Where exactly is the string constant pool located in the memory?

Ans. Heap memory