

### Q.1) What is a String in Java ?

Ans:- The collection of characters is called string. It refers to an object in java present in the package called java.lang .string .

### Q.2) Types of String in Java are ?

Ans:- There are two types of string in java

- a) Immutable String
- b) Mutable String

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

Ans:- There are two ways to create a string in Java:

- a) String literal -> String s1= "Sachin Tendulkar".
- b) Using new keyword -> String S2 =new String("Sachin Tendulkar")

### Q.4) What is a string constant pool ?

Ans:- The String Constant Pool is the special region inside the heap memory that stores string constant or string literals. In this region , only one object can be created with the same content.

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

Ans:- **Mutable String** :- Once we create a string , on that string if we try to perform any operation and the changes get reflected in the same object then such type of string is called mutable string. For example : String Builder , String Buffer.

**Immutable String** :- Once we create a string , on that string if we try to perform any operation and the changes won't reflected in the same object , rather a new object will be created then such type of string is called immutable string.

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

Ans:- The string constant pool is located in the "Heap Memory"