

1.What is a String in Java?

Ans: String is a sequence of characters, but in Java String is an object that represents a sequence of characters.

2. Types of Strings are?

Ans: There are 2 types of Strings in Java.

- Mutable String
- Immutable String

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

Ans: there are 2 ways to create String objects in Java.

- A. String s1 = "jerry"; (this is created using string literal)
- B. String s2 = new String("Tom"); (this is created using new object)

4. what is a String Constant pool?

Ans: A string constant pool is a separate place in the heap memory where the values of all the strings which are defined in the program are stored. When we declare a string, an object of type String is created in the stack, while an instance with the value of the string is created in the heap.

5. What do you mean by “mutable” & “immutable” objects?

Ans: Immutable means constant, we can not modify immutable objects once they are created.

Mutable means we can modify the objects after it is created.

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

Ans: Inside the heap memory the string constant pool is located.