**Strings in Java-Assignment**

Question 1: -**What is a String in Java?**

Ans: -string is basically an object that represents a sequence of char values. An [array](https://www.javatpoint.com/array-in-java) of characters works the same as a Java string.

**Example: -**

**String s="PWSkill";**

Question 2: -**Type of String in Java are?**

Ans: -Two types of String.

1.Immutable String(Non-changeable)

**Example:-** String

2.Mutable String(Changeable)

**Example: -**StringBuilder,StringBuffer

Question 3: -**In how many ways can you create String object in java?.**

Ans: -There are two ways to create a String object.

* **By string literal** : Java String literal is created by using double quotes.  
  **For Example**: String s=“Welcome to PWSkill”;
* **By new keyword** : Java String is created by using a keyword “new”.  
  **For example:** String s=new String(“Welcome to PWSkill”);

Question 4: -**What is String constant pool?**

Ans: -A string constant pool is a separate place in the heap memory where the values of all the string literals which are defined in the program are stored.

**For example: -**

String str=”welcome to PwSkill”

Here ,“Welcome to PwSkill” is String literals it’s store innString Constant pool.And str is a reference variable who refer to “welcome to PwSkill” in String constant pool

Question 5: -**What do you mean by mutable and immutable objects?.**

Ans: -The mutable objects are objects whose value can be changed after initialization. We can change the object's values, such as field and states, after the object is created.

**For Example:- StringBuilder,StringBuffer.**

And immutable objects are objects whose value can’t be changed after initialization.

**For Example:- String**

**package hello;**

**public class mutable\_immutable {**

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

**String str="Welcome to";**

**str.concat("PwSkill");**

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

**StringBuffer strb=new StringBuffer("Welcome to");**

**strb.append("PwSkill");**

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

**}**

**}**

Question 6: -**Where exactly is the string constant pool locate in the memory?**

Ans: -In java also String constant pool allocate in “**Heap Area”**