**Strings in Java**

**Assignments Questions**

**1. What is a String in Java?**

Collection of characters enclosed in double quotes.

**2. Types of String in Java are?**

Two types of string in java

* Mutable String (String in which changes can be done)
* Immutable String (String in which changes cannot be done)

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

I learnt about following 5 ways of creation of string object in java

* String name = “Akash”;
* String name1 =new String(“Akash”);
* Char []ch={‘A’ , ’K’ , ’A’ , ’S’ , ’H’};

String name4= new String(ch);

* StringBuilder name2 = new StringBuilder(“Akash”);
* StringBuffer name3= new StringBufffer(“Akash”);

**4. What is a string constant pool?**

String constant pool is memory area that is present in heap. If you create any string in java it will be stored in string constant pool.

String constant pool does not allow duplicates..

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

Mutable :- Objects in which changes can be done after declaration

Ex :- String created by StringBuffer class or StringBuilder clas

Immutable :- Objects in which changes cannot be done after declaration.

Ex :- String created by String class

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

String constant pool is located in heap area of the memory.