1. What is immutability?

In java, string objects are immutable. Immutable simply means unmodifiable or unchangeable. Once string object is created its data or state can't be changed but a new string object is created.

Eg:

class Testimmutable{

  public static void main(String args[]){

    String s="Ajay";

    s.concat(" Sagar");//concat() method appends the string at the end

   System.out.println(s);//will print Ajay because strings are immutable objects

 }

}

Here Ajay is not changed but a new object is created with AjaySagar. That is why string is known as immutable. Two objects are created but reference variable still refers to "Ajay" not to "Ajay Sagar".

1. Programe to reverse a string without using any methods of string class.

**package** com.demo;

**public** **class** StringReverse {

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

String st=**new** String("hello world");

**char**[] ch=st.toCharArray();

**for**(**int** c=ch.length-1;c>=0;c--)

{

System.*out*.print(ch[c]);

}

}

}

1. Programme to find reverse of string using any methods of string class.

**package** com.demo;

**public** **class** StringReverse2 {

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

StringBuilder st=**new** StringBuilder("Hello World");

st.reverse();

System.*out*.print(st);

}

}