**Problem statement: Write the program for check input strings are Anagram or not**

**Example listen and silent.**

**import** java.util.Arrays;

**import** java.util.Scanner;

// anagram string is string where the words is rearrange the it will crate an new word having some new meaning. example listen and silent.

**public** **class** AnagramStringDemo {

**public** **void** anagramString() {

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("Enter first string="); // taking two string from the users

String firststr1 = scanner.next();

System.***out***.println("Enter second string=");

String secondstr2 = scanner.next();

**if**(firststr1.length()==secondstr2.length()) { //checking the length of two string

**char**[] array1=firststr1.toCharArray(); //coverting string into the array

**char**[] array2=secondstr2.toCharArray();

Arrays.*sort*(array1); //sorting the arrays

Arrays.*sort*(array2);

**boolean** isanagram=Arrays.*equals*(array1,array2); //checking arrays are equals are not

**if**(isanagram) {

System.***out***.println("Is Anagram string");

}

**else** {

System.***out***.println("Is Anagram string");

}

}

**else** {

System.***out***.println("String are not equals so they are not Anagram string.");

}

scanner.close();

}

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

AnagramStringDemo anagram=**new** AnagramStringDemo();

anagram.anagramString();

}

}