Home Assignment <5>: Anagram

Learning Objective:

To determine whether two given strings have the same characters, regardless of their order, thereby indicating that they are anagrams of each other.

Expected Completion Time:

Best Case: 10 minutes
Average Case: 15 minutes

Assignment Details:

- An anagram is a word or phrase formed by rearranging the letters of another word or phrase, typically using all the original letters exactly once.
- Input two strings: text1 = "stops";
  text2 = "potss"

Requirements:

- Define two input strings.
- Check if the lengths of the two strings are equal:
  - If equal, continue; otherwise, print "Lengths mismatch, therefore the strings are not an Anagram" and exit.
- Convert both the strings to character arrays
- Sort both the character arrays
- Check if the sorted arrays are equal
  - If equal, print "The given strings are Anagram."
  - Otherwise, print "The given strings are not an Anagram."

Hints to solve:

- Use appropriate method to sort the arrays
- Use appropriate method from Arrays class to compare both the values

Expected Outcome:

Upon completion, you should be:
- Learn how to check if two strings are anagrams by comparing sorted character arrays.
- Gain experience in string manipulation, array handling, and algorithmic problem-solving in Java.