Computer Science II – Prepa Tec Campus Eugenio Garza Lagüera  
Activity 3: Searching in Arrays

**Instructions:** Using the sample source code files that can be found [here](https://github.com/OMardil/CS2_2024_EN/tree/ebb3b7bc00895b13c1421ce642daaf6b141474da/M02_Search_and_Sorting_Algorithms/03%20Actividad%20personal/JavaSorting/src/search), complete the following problems.

**Submission:** Save the answers to this activity as a PDF file and upload it to Canvas. Only include the code you wrote for each problem, and not the whole class.

**Problem 1:** Using the Java class Activity4\_P1.java, complete the code necessary so that the printArray() method prints the contents of the received array.

A white background with black text

Description automatically generated

**Problem 2:** Using the Java class Activity4\_P2.java, complete the code in the method compareArray() so that it compares the contents of two different arrays. Remember that arrays are objects, and cannot be compared directly using the equality (==) operator.

A computer code with text

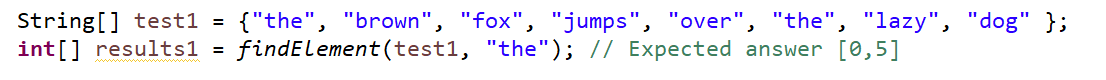
Description automatically generated with medium confidence

**Problem 3.1:** Using the Java class Activity4\_P3.java, complete the code in method findElement() to return an array of integers with all the indexes where the target String is found.

A computer screen shot of a list

Description automatically generated with medium confidence

For example:



**Problem 3.2:** Add 4 test cases on the main() method to cover different possible execution scenarios. Try to think about edge cases (empty arrays, empty Strings, etc.) that you need your program to cover.