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/996d30b11da2202ffcb4ccffc48ce223abe5e8ef/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 Activity3\_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 Activity3\_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 therefore, cannot be compared directly using the equality (==) operator.

A computer code with text

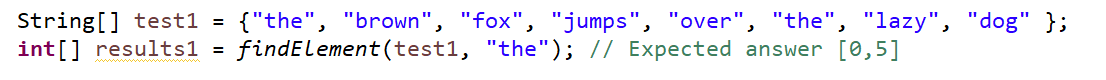
Description automatically generated with medium confidence

**Problem 3.1:** Using the Java class Activity3\_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.