



CUP CAKES

Attempt all questions – In Java and Python. All tasks must be done with Array.

1. `findSmallest(int[]) -> int`: Write a function that takes an array of integers and returns the smallest element in the array.
2. `averageArray(int[]) -> double`: Write a function that takes an array of integers and returns the average of all elements.
3. `countOccurrence(int[], int) -> int`: Write a function that takes an array and a target number, then returns how many times the target appears in the array.
4. `containsElement(int[], int) -> boolean`: Write a function that takes an array and a target number, then returns true if the target exists in the array.
5. `getFirstElement(int[]) -> int`: Write a function that takes an array and returns the first element. Return 0 if the array is empty.
6. `getLastElement(int[]) -> int`: Write a function that takes an array and returns the last element. Return 0 if the array is empty.
7. `arrayLength(int[]) -> int`: Write a function that takes an array and returns the number of elements in it (without using the `.length` property).
8. `getMiddleElement(int[]) -> int`: Write a function that takes an array and returns the middle element. If the array has an even length, return the first of the two middle elements.
9. `swapFirstAndLast(int[]) -> int[]`: Write a function that takes an array and returns a new array with the first and last elements swapped.