



YET ANOTHER WEEKEND SNACK

Note, implement all of these with an Array

1. **maximumIn(ArrayOfIntegers)-> integer**: Write a function that takes an array of integers and returns the largest element in a Array.
2. **minimumIn(ArrayOfIntegers)-> integer**: Write a function that takes an array of integers and returns the smallest element in a Array.
3. **sumOf(ArrayOfIntegers)->integer**: Write a function that takes an array of integers and returns the sum of the elements in the array.
4. **sumOfEvenNumbersIn(ArrayOfIntegers)->integer**: Write a function that takes an array of integers and returns the sum of even numbers in the array.
5. **sumOfOddNumbersIn(ArrayOfIntegers)->integer**: Write a function that takes an array of integers and returns the sum of odd numbers in the array.
6. **maximumAndMinimumOf(ArrayOfIntegers)->arrayOfIntegers**: Write a function that takes an array of integers and returns an Array containing the minimum and maximum element.
7. **noOfOddNumbersIn(ArrayOfIntegers)->integer**: Write a function that takes an array of integers and returns the number of odd numbers in the array.
8. **noOfEvenNumbersIn(ArrayOfIntegers)->integer**: Write a function that takes an array of integers and returns the number of even numbers in the array.
9. **evenNumbersIn(ArrayOfIntegers)->arrayOfIntegers**: Write a function that takes an array of integers and returns an array of even numbers.
10. **oddNumbersIn(ArrayOfIntegers)->arrayOfIntegers**: Write a function that takes an array of integers and returns an array of odd numbers.
11. **squareNumbersIn(ArrayOfIntegers)->arrayOfIntegers**: Write a function that takes an array of integers and returns an array of all square numbers.

Create another class called **ArrayKata** and create all of the functions in the class.

Submission instruction: push the code alongside your existing code to GitHub and add me as a contributor (my handle is *i-am-chibuzo*).

Submission Deadline: 1am Monday, April 8th, 2024.

PS: This snack is not a group snack, DO NOT SHARE.

Enjoy your short weekend.