## **Unit Test List: Number Processor**

Test a given method which takes in a **list of integers** and adds each number in a new list following these principles:

* If the number is **even**, it **squares** it.
* If the number is **odd**, it **square** **roots** it**.**

## **Unit Test List: Palindrome**

Test a given method which takes in a **list of strings** and checks if every word in the list is a **palindrome**.

## **Unit Test List: Matrix**

Test a given method which takes in **2** **lists of list of integers (matrix)** that performs **matrix addition** on them.

## **Unit Test List: Find Same Values**

Test a method that takes **two lists of integers as input** and **returns a new list containing the unique integers that are present in both input lists**. The method ensures that **each value in the result appears only once, even if it appears multiple times in the input lists**.

## **Unit Test List: Remove Greater Than Threshold**

Test a method that takes in **a list of integers and an integer threshold**. The method should **return a new list that contains only the integers from the original list that are less than or equal to the threshold**.

## **Unit Test List: Remove Less Than or Equal to Threshold**

Test a method that takes in **a list of integers and an integer threshold**. The method should **return a new list that contains only the integers from the original list that are greater than the threshold**.

## **Unit Test List: List Splitter**

Test a method that takes in **a list of integers and splits it into two separate lists**: one containing all even numbers and the other containing all odd numbers.