

# Assignment

1) Implement Fibonacci series using recursion

2) Write a function that will take a given string and reverse the order of the words.

Ex1:

“Hello world” becomes “world Hello”

Ex2:

“May the Fourth be with you” becomes “you with be Fourth the May”

3) Write a function, `primeNumberDetector`, that tests if a number, `n` is a prime number.

4) Given an integer `x`, return `true` if `x` is a **palindrome**, and `false` otherwise.

**Example 1:**

**Input:** `x = 121`

**Output:** `true`

**Explanation:** 121 reads as 121 from left to right and from right to left.

**Example 2:**

**Input:** `x = -121`

**Output:** `false`

**Explanation:** From left to right, it reads -121. From right to left, it becomes 121-. Therefore, it is not a palindrome.

**Example 3:**

**Input:**  $x = 10$

**Output:** false

**Explanation:** Reads 01 from right to left. Therefore, it is not a palindrome.