

## Introduction

The **Fast & Slow pointer** approach, also known as the **Hare & Tortoise algorithm**, is a pointer algorithm that uses two pointers which **move through the array (or sequence/LinkedList) at different speeds**. This approach is quite useful when dealing with **cyclic LinkedLists** or **arrays**.

By moving at different speeds (say, in a cyclic LinkedList), the algorithm proves that the two pointers are bound to meet. The fast pointer should catch the slow pointer once both the pointers are in a cyclic loop.

One of the famous problems solved using this technique was **Finding a cycle in a LinkedList**. Let's jump onto this problem to understand the **Fast & Slow** pattern.


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Solution Review: Problem Challenge 3

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LinkedList Cycle (easy)

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