Introduction

Recursion is an important concept in computer science. It is a foundation for many other algorithms and data structures. However, the concept of recursion can be tricky to grasp for many beginners.

Before getting started with this card, we strongly recommend that you complete the [binary tree](https://leetcode.com/explore/learn/card/data-structure-tree/) and the [stack](https://leetcode.com/explore/learn/card/queue-stack/) Explore cards first.

In this Explore card, we answer the following questions:

1. What is recursion? How does it work?
2. How to solve a problem recursively?
3. How to analyze the time and space complexity of a recursive algorithm?
4. How can we apply recursion in a better way?

After completing this card, you will feel more confident in solving problems recursively and analyzing the complexity on your own.

Before you start, bear in mind that should you have any questions or comments, you can always post them on the [Discussion](https://leetcode.com/discuss/explore/recursion-i) forum that is located at the end of this card. We'll do our best to respond to you as soon as we can.