Sudoku using Backtracking.

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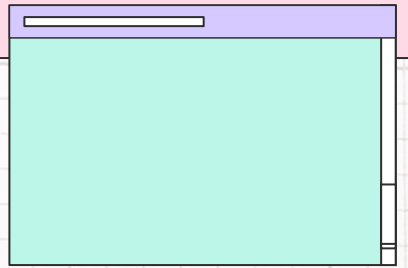

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Introduction

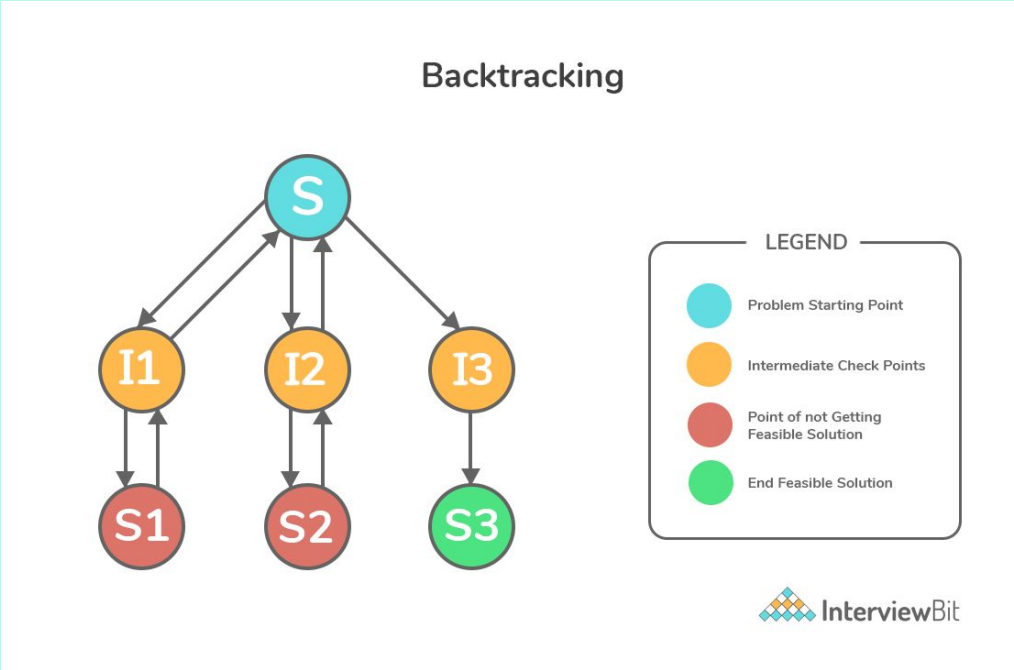
Introduction

What is sudoku?

8	2	7	1	5	4	3	9	6
9	6	5	3	2	7	1	4	8
3	4	1	6	8	9	7	5	2
5	9	3	4	6	8	2	7	1
4	7	2	5	1	3	6	8	9
6	1	8	9	7	2	4	3	5
7	8	6	2	3	5	9	1	4
1	5	4	7	9	6	8	2	3
2	3	9	8	4	1	5	6	7

Introduction

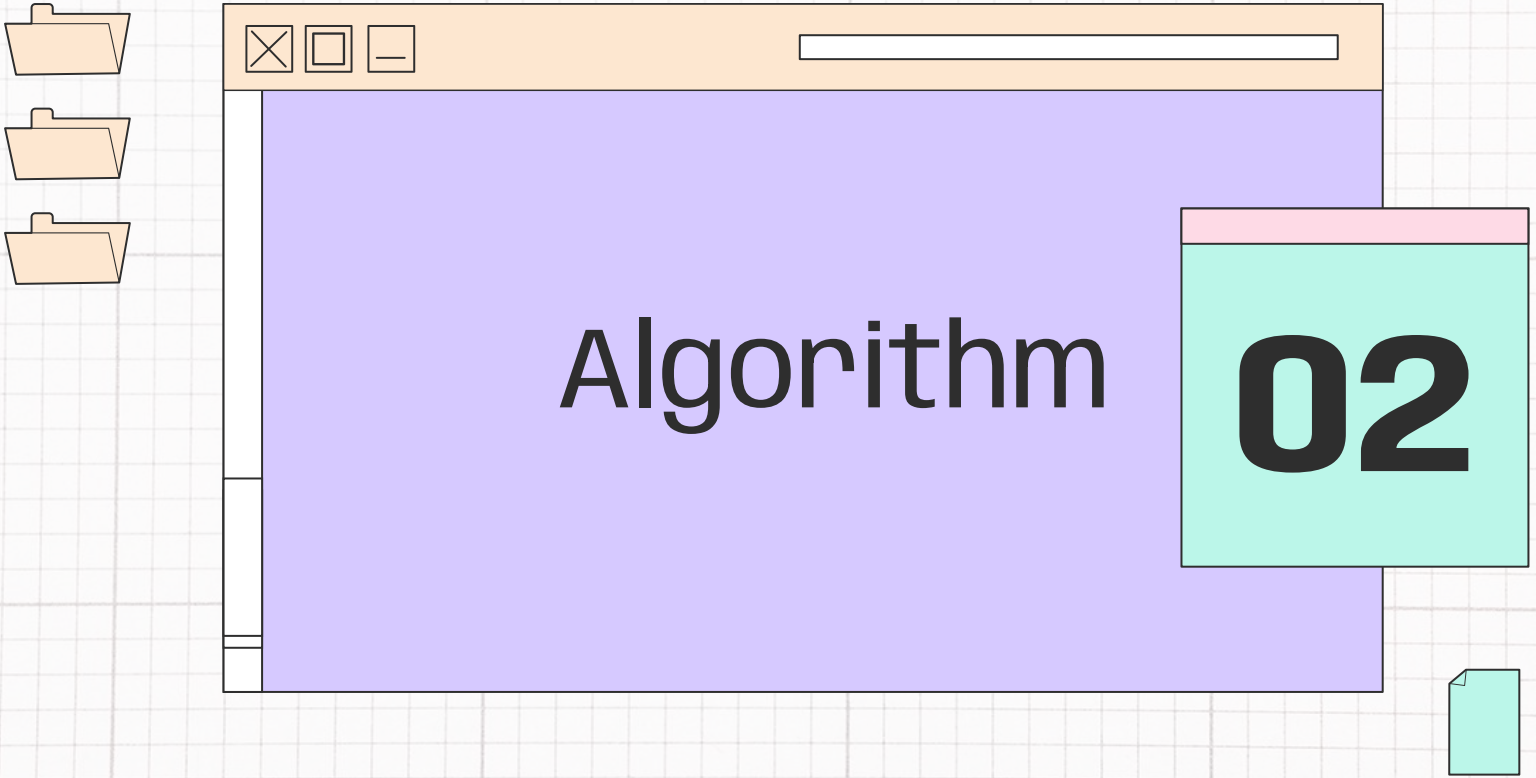
What is Backtracking?



Types

There are three types of problems in backtracking –

1. Decision Problem – In this, we search for a feasible solution.
2. Optimization Problem – In this, we search for the best solution.
3. Enumeration Problem – In this, we find all feasible solutions.



Algorithm

02

Step -1 : take an partial sudoku puzzle as an input for the program

Step 2: create a function to check the possibility of a number to fit in a particular position of sudoku by following the three major rules as constraints

Step 3: create the *magical* recursion function to get as many feasible solutions as possible by calling the same function inside a function

That's It!!! Your desired output is right in front of you :)

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Code

Thank You