Introduction to AI Search Algorithm:

In ai search algorithms can be classified into two either in

1. Uniformed Search Algorithm : Depth First Search, Breadth First Search , Uniform cost Search

2. Informed Search Algorithm : Greedy Search , A\* Search , Graph Search

Firstly, search problem consists of the agent that is given as the initial state and the goal state and returns the solution to get from the former to the latter.

Taking an example of the google navigation or the game of maze, chess or puzzle.

So first and foremost the basics of Search problems starting with the agent and the components of the agent :

Agent : it's the system/entity where it performs problem solving task by the search through a problem space to find the solutions

State : just a configuration of the agent and it's environment