

## Statement:

On the ancient island of Crete, famous for its mystery and wonder, you find yourself challenged by the legendary Cretan Labyrinth. As an expert in algorithms and programming, you have been selected to develop an artificial intelligence system capable of solving this legendary maze. The main objective is to generate the Cretan Labyrinth using search algorithms, and allow a brave agent to take a starting point and end point within its intricate corridors to start his journey using these search methods.

In this epic mission, your task is to design a system that generates a maze inspired by the legendary Labyrinth of Crete, using search algorithms that guarantee a unique challenge with each run. In addition, the system must allow the user to choose a starting point and an ending point within the maze, so that the agent can begin his brave journey.

Once the maze has been generated and the start and end points have been established, the agent must use the search methods to find the way to the exit. Like Theseus in the legend, the agent will have to face the challenges of the maze and overcome every obstacle on his way to freedom. The system should visually display the agent's progress as they explore the maze until they find the solution.

Your ultimate mission is to develop a system capable of solving the legendary Cretan Labyrinth, using proper search algorithms to find the path and unravel its hidden secrets. Get ready to face the challenge of the Cretan Labyrinth!