



## PROJECT

## Creating an AI Agent to solve Sudoku

A part of the Artificial Intelligence Nanodegree and Specializations Program

## PROJECT REVIEW

## CODE REVIEW 5

## NOTES

SHARE YOUR ACCOMPLISHMENT!  

## Meets Specifications

Excellent work overall! The project is running and meets all the specifications. The project shows that you have understood the concepts and are able to apply them in solving a problem. As experimentation and for fun you could try to implement a generalization of naked\_twins called naked\_tuples and another related concept hidden twins. Implementing these strategies could help you learn a bit more. Your progress is great and keep up the good work. I hope you are excited for the next project in Game Playing. It would be fun. Please do share your experience, difficulties, or solutions, to any specific cases so that other students could benefit too, on the AI Nanodegree forum. Feel free to reach out, if you need any help or have difficulty understanding anything, our dedicated mentors are there to help. Keep up the good work and stay enthusiastic :)

## Functionality

The student correctly uses constraint propagation to solve the naked twins problem by enforcing the constraint that no squares outside the two naked twins squares can contain the twin values

Correct!

The student correctly solves the diagonal sudoku using constraint propagation by adding the new constraint of the diagonal sudoku

Correct!

## Documentation

Student properly comments the functionality of the code.

You could follow some suggestions from the code review to better demonstrate the functionality of your code.

## Conceptual

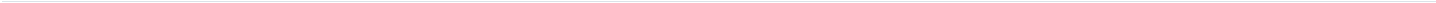
In the README.md file, the student has shown an understanding of how constraint propagation has been used to implement the naked twins function, by enforcing the constraint that no squares outside the two naked twins squares can contain the twin values

Great job, Good answers/discussion in your README files go a long way in helping recruiters who view your Github profile see that you can effectively communicate the ideas and concepts behind your code!

In the README.md file, the student has shown an understanding of how constraint propagation has been used to solve the diagonal sudoku, by adding the diagonals to the set of constraints.

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