UDACITY

PROJECT

Creating an AI Agent to solve Sudoku

A part of the Artificial Intelligence Nanodegree Program

PROJECT REVIEW

CODE REVIEW 8

NOTES

SHARE YOUR ACCOMPLISHMENT!

Meets Specifications

Excellent work overall! The project meets all the specifications. The project shows that you have understood the concepts and 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. 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

Excellent Work! You have used the constant propagation technique to solve the naked twins problem effectively. This shows that you have followed the lecture videos quite seriously and have understood the concept properly.

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

Excellent work on the diagonal sudoku. You have used constant propagation by adding the new constraint of diagonal sudoku successfully. Applying the knowledge, provided in the lectures, practically on a project is good to see. It proves you are able to apply concepts to an unseen problem.

Both unit tests pass. Run solution_test.py to check.

Both the functions of naked_twins and diagonal_sudoku meet the specification and have passed the tests successfully. Great work.

Documentation

Student properly comments the functionality of the code.

Neatly written code, good job
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

Excellent answers provided to the questions, quite analytical and clear explanation

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.

Excellent well explained answer
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!

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8 CODE REVIEW COMMENTS ›

Have a question about your review? Email us at review-support@udacity.com and include the link to this review.

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Student FAQ