

We've recently made an accessibility improvement to the community and therefore posts without any content are no longer allowed. Please use the spoiler feature or add a short message in the message body in order to submit your weekly challenge.

2022-05-26 Updates: Email: If you're not seeing emails be delivered from the Community, please check your spam and mark the Community emails as not junk. Thank you for your patience.



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Weekly Challenge

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IDEAS WANTED

We're actively looking for ideas on how to improve Weekly Challenges and would love to hear what you think!

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Challenge #200: Sudoku Solver



A solution to last week's challenge can be found [here](#).

Challenge 200 represents another milestone (and badge!) on the trek up Mt. Everest: the arrival at Camp 4. To celebrate officially entering the [Death Zone](#), we're serving up a challenge created by puzzler extraordinaire [@TerryT!](#)

Sudoku is a popular puzzle that requires you to the cells in a 9x9 grid with digits so that each row, each column, and each of the nine 3x3 boxes (shown with heavier lines) contains all the digits from 1 to 9 exactly once. Each puzzle is encoded as an 81 character string.

This challenge has three solution levels:

BEGINNER:

Using the Beginner and Intermediate Start File, parse the puzzle by separating rows nine characters at a time. The columns and boxes then line up accordingly where a '0' represents an empty cell.

INTERMEDIATE:

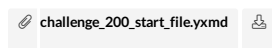
Solve the puzzle provided in the Beginner and Intermediate Start File.

ADVANCED:

Solve the Sudoku puzzle from the Wikipedia article (Wikipedia Puzzle Start File).



Welcome to the Death Zone (Source: GIPHY)



Basic Data Analysis Difficult Intermediate Join Parse Preparation Transform

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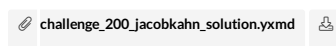


[the_jake_tool](#)

12 - Quasar

Solved Beginner Level

► Spoiler



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ACE

estherb47

15 - Aurora

Quickly solving to get that 200th challenge done. Beginner is done. Will post intermediate/advanced when I have more time to think on it

EDIT: Here we go. I didn't want to use a macro this time around. All macroed out from Advent of Code (which I'm still plugging through!)

Beginner:

▷ Spoiler

Intermediate:



▷ Spoiler

 challenge_200_EHB_Completed.yxmd



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JORGE4900

8 - Asteroid

Using one of my favorite tools--(Regex). First break down the 81 character line into 9 character chunks; rename the columns; transpose it; break it into 9 fields; rename the fields; and that is it.

▷ Spoiler

 challenge_200_Jorge4900.yxmd



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cplewis90

13 - Pulsar

Beginner completed. Need some more time on intermediate and advanced.

 challenge_200_CL.yxmd



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RolandSchubert


16 - Nebula


Decided to solve it step by step - so this is my solution for the beginner part.

▷ Spoiler

For the intermediate, I used a macro - and advanced will require some additional work.

▷ Spoiler

 challenge_200_solution_rsc_beginner.yxmd



 challenge_200_solution_rsc_intermediate.yxzp




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JamesCameron

8 - Asteroid

My Beginner solution - the others will follow

▷ Spoiler

 challenge_200_beginner_solution.yxmd 

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JohnJPS
15 - Aurora

My favorite, the R Tool, and another favorite, "Google to Kaggle to cut/paste and minimal tweaks."

Solves the Advanced also, but as noted, credit goes to Kaggle.

No spoiler picture other than the R tool. Would be fun to see it running as iterative macros, though (or via optimization).

 c200_jps.yxmd 

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ChristinaFPE
7 - Meteor

▷ Spoiler

Here's the Beginner portion solved. I need a bit more time to figure out the Intermediate and Advanced.

 Challenge200_ChristinaP.yxmd 

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TonyA
Alteryx Alumni (Retired)

Beginner and Intermediate done. The Advanced is going to take some serious work...

▷ Spoiler

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