

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 #238: Ideal Gases Don't Exist



AYX Academy
Alteryx

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

The Ideal Gas law is a staple of Chemistry classes around the world. You may recall that it is defined as $PV=nRT$; where P = pressure, V = volume, n = the number of moles, R = the ideal gas constant, and T = temperature.

This week's challenge is to create an app that requires an end user to select 3 checkboxes and enter values, then produces the final variable and units as a result.

For the sake of simplicity, we will use static units for all variables. Pressure in ATM, Volume in Liters Temperature in Kelvin, and $R = 0.082057338$. Use 3 decimal places on the inputs. You can [check your math here](#).

Bonus: Add in error messages if the user selects too few or too many checkboxes.

[challenge_238_start_file.yxmd](#)



[challenge_238_solution.yxwz](#)



Apps Interface Intermediate Preparation Transform

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Aaron Harter
11 - Bolide

I hope this solution gets a good reaction from the community:

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(edit 10/19 12:38 CT) video of solution overview:

▷ Spoiler

[challenge_238_AB Data_Aaron.yxwz](#)



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Johnemery
10 - Fireball

Cool challenge! I managed to build in error-checking, and everything seems to be working swimmingly. I'm sure using interface tools isn't a common occurrence for many developers, so challenges like this are excellent practice.

▷ Spoiler

[Challenge 238 solution jemery.yxwz](#)



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Greg Murray
12 - Quasar

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Fun way to start a Monday.

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JethroChen
10 - Fireball

▷ Spoiler

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OllieClarke
14 - Magnetar

Nice Challenge! I also added an error for if someone selected all 4 variables

▷ Spoiler

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atcodedog05
22 - Nova

Really fun challenge 😊
The bonus part was something new to me had fun cracking it was a great learning configuring the error tool.

▷ Spoiler

Cheers and Happy Analyzing 😊

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RolandSchubert
16 - Nebula

▷ Spoiler

I don't use interface tools in my daily business, great opportunity to practise.

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patrick_digan
17 - Castor

» Spoiler



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 paulfound
11 - Bolide

» Spoiler

Well that was a GAS!!!!

 challenge_238_PF.yxwz 

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