

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

Solve the challenge, share your solution and summit the ranks of our Community!

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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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[Weekly Challenge](#)

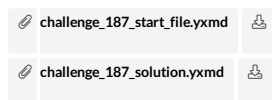
Challenge #187: Generate Prime Numbers



ChristineB
Alteryx Alumni (Retired)

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

This week's challenge comes to us from [@Shreelatha](#)! Create a workflow to generate all the prime numbers between 0 and 50. For this challenge, the number 1 is not considered to be prime as it only has one positive divisor.



Data Analysis Intermediate Preparation

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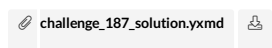
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hlmess
7 - Meteor

Spoiler

Here's My solution. It involves comparing all combinations of numbers between 1 and 50 so it's probably not ideal if you wanted to identify primes up to a million or something but it works.



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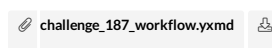
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ACE Jean-Balteryx
16 - Nebula

Here is my solution !

Spoiler



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My solution worked great for numbers 3+. And when I say "great" I mean for small numbers, as this would fall into the [trial division](#) as referenced Prime number article in Wikipediam found in the text in the start file.

▷ Spoiler


 David-Carnes_187.yxmd



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 JamesFo

8 - Asteroid

This one was fun, I've never thought of doing this before.

I wonder how many rows it could take before it started to struggle...

▷ Spoiler


 challenge_187_JF.yxmd



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 hellottf12

5 - Atom

Here's my solution! Thanks for a fun challenge!

▷ Spoiler

 challenge_187_start_file_solution.yxmd



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 ACE RolandSchubert

16 - Nebula

I used Fermat's primality test to identify prime numbers (test isn't absolutely reliable for very large numbers, but works fine for numbers < 341). I used 2 as a basis, so I had to check "2" separately.

▷ Spoiler

 challenge_187_solution_rsc.yxmd



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 ACE OllieClarke

14 - Magnetar

Here's my solution:

▷ Spoiler

 challenge_187_OC_solution.yxmd



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ACE

cgoodman3

13 - Pulsar

Here's my solution. works quickly for primes 1 - 50.

» Spoiler

Chris
Check out my collaboration with fellow ACE Joshua Burkhaw at [AlterTricks.com](#)

 Challenge_187_solution.yxmd 

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ACE

estherb47

15 - Aurora

A nice brain break for a Monday.

» Spoiler

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