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!

SUBMIT FEEDBACK



# 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.

challenge_187_start_file.yxmd

challenge_187_solution.yxmd

Data Analysis | Intermediate | Preparation

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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.

challenge_187_solution.yxmd

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**Jean-Balteryx**
16 - Nebula

Here is my solution !

Spoiler

challenge_187_workflow.yxmd

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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

Share 0 LIKES Reply

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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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hellotf12
5 - Atom

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

Spoiler

challenge_187_start_file_solution.yxmd

Share 0 LIKES Reply

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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

Share 2 LIKES Reply

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OllieClarke
14 - Magnetar

Here's my solution:

Spoiler

challenge_187_OC_solution.yxmd

Share 2 LIKES Reply

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cgoodman3
13 - Pulsar

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

Spoiler

Chris
Check out my collaboration with fellow ACE Joshua Burkhow at AlterTricks.com

Challenge_187_solution.yxmd

Share 0 LIKES Reply

estherb47
15 - Aurora

A nice brain break for a Monday.

Spoiler

Challenge_187_EHB_completed.yxmd

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