

# How to randomly pick and output a single number from a comma separated list of numbers given an attribute value?

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This is the first time amnksngh has posted – let’s welcome them to our community!

amnksngh

12h

I have a list of numbers in each row of a column-“prime number list”. To have a better understanding, image first row of this column is a string “2,3,4,7” and the second row has the string “11,13,17,19”.

There is another column-“range” that has values “1-10” and “11-20” in the corresponding first two rows.

What I want is to extract one number from the comma-separated list of numbers in the column “prime number list” GIVEN a matching string in the “range” column, let’s say “1-10”.

This is how it looks right now:

Row ID	S range	S prime nu
Row0_Row0	1-10	2,3,4,7
Row1_Row1	11-20	11,13,17,19
Row2_Row2	21-30	23,29
Row3_Row3	31-40	31,37
Row4_Row4	41-50	41,43,47
Row5_Row5	51,100	53,59,61,67

My end goal is to create a component that will have a drop-down list of ranges in its configuration and will output a single prime number from that range of numbers along with the mapped difficulty level. I want these two outputs as flow variables to be used in the next node(s).

Thank you for your time!

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**rfeigel** Just KNIME It Participant

12h

It would be a lot easier for potential "helpers" if you would upload your existing workflow and sample data.

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**amnksngh**

8h

Thanks [@rfeigel](#) for your quick response! I have made a few minor updates to the workflow and moved its copy to the public hub temporarily. Here is the access link:



**playground – amnksngh**

Solutions for data science: find workflows, nodes and components, and collaborate in spaces.