

Add Two Continuous Sums into a Third

While there is no built-in functionality to populate a continuous sum question with previous continuous sum questions we have a script to accomplish this! This can come in handy if you have different totals that you want to add to make one overall total. These steps assume a basic familiarity with Alchemer and Custom Scripting.

Check it out in an [example survey](#)!

OR

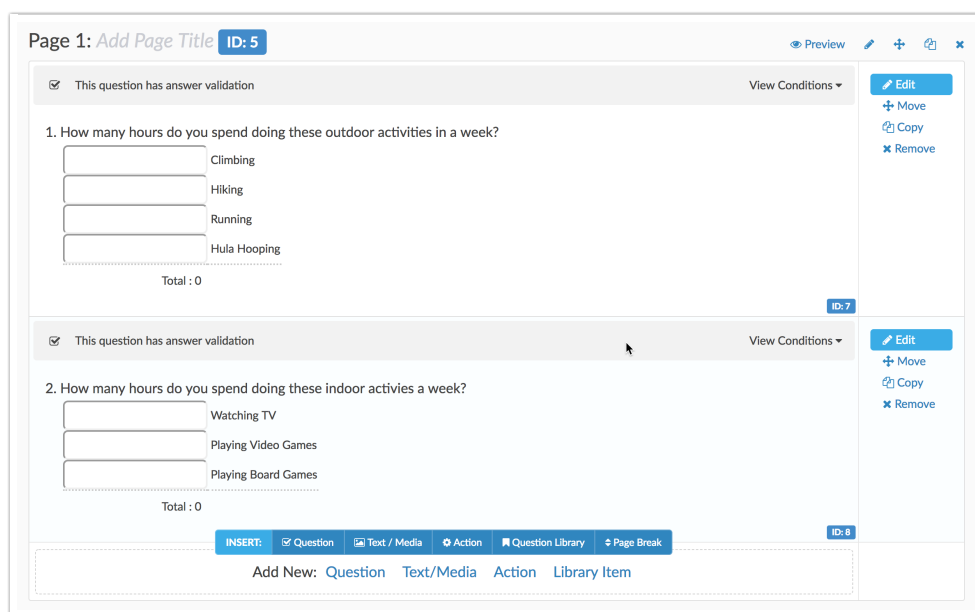
Add a survey with this setup to your account.

Setup

Features and functions used in this script:

- [Custom Script Action](#)
- [Continuous Sum Question](#)
- [Hidden Value Action](#)

Start by building all of your survey questions. In this example survey, we have both continuous sum questions that will be doing the addition on the first page.



On the next page, we have a custom script action with the below script followed by two hidden values. These hidden values will be populated by the script.

The screenshot shows a page editor interface for "Page 2: Add Page Title" (ID: 4). The page contains three actions:

- Custom Script Action (ID: 4):** Contains the text "Lua Sum" and "Custom script exists".
- Hidden Value Action (ID: 9):** Contains the text "Sum 1" and "Your hidden value has not been set yet...".
- Hidden Value Action (ID: 5):** Contains the text "Sum 2" and "Your hidden value has not been set yet...".

Each action has a menu with options: Edit, Move, Copy, and Remove. At the bottom of the editor, there is an "INSERT:" menu with options: Question, Text / Media, Action, Question Library, and Page Break. Below this menu is a dashed box containing the text "Add New: Question Text/Media Action Library Item".

You will need to change the IDs for the continuous sum questions and hidden values.

```

contsum1 = 7 --Question ID for first Continuous Sum
contsum2 = 8 --Question ID for second Continuous Sum
sum1 = 5 -- ID of hidden value for first sum
sum2 = 6 -- ID of hidden value for second sum
next_pageID = 3 --ID of page to jump to so page with script does not show.

array = getvalue(contsum1)
chars =
{'%', '$', '€', '£', '¢', 'F', '£', 'm', 'N', 'B', 'R', 'W', 'm', 'd', 'e', 'K', 'F', 'D', 'P', 'G', 'A', 'e', 'C',
', '□', 'T', 'R'}

finalval=0

for key,value in pairs (array) do

    val = str_replace(chars, '', value)
    val = tonumber(val)
    finalval = finalval+val

end

setvalue(sum1,finalval)

array2 = getvalue(contsum2)

finalval2 = 0

for key2,value2 in pairs (array2) do

    val2 = str_replace(chars, '', value2);
    val2 = tonumber(val2)
    finalval2 = finalval2+val2

end

setvalue(sum2,finalval2)

jumptopage(next_pageID)

```

Now on the third page, add the third Continuous Sum question where you wish to add all the values together. Populate the Default Value field for each option with the merge code for the Hidden Value sums we populated in the script.

Continuous Sum

Question Logic Validation Layout Piping / Repeat ♥ Need Help?

Question Type

Continuous Sum

What question do you want to ask?

This is how much time you spend on activities!

B I Size A Merge Codes

Require this question

Multiple Choice Options

OPTION

Outdoor Activities

Indoor Activities

+ Click to Add Option Paste in Options

Common Answer Library Advanced Option Settings

DEFAULT VALUE

[question("value"), id="5"]

[question("value"), id="6"]

Getting Started Guide

Continuous Sum questions allow respondents to enter numeric values (often percentages or dollar amounts) for a list of items that are then summed for a total value.

Learn More

+ Add Another Question Save Question to Library Never Mind Save Question

Now you're ready to test your survey. Is your third continuous sum populating with the totals of the first two creating and total sum? If so, you've succeeded! Congratulations! If not, double check your question IDs.

Scripting and Other Custom Solutions

We're always happy to help you debug any documented script that is used as is. That said, we do not have the resources to write scripts on demand or to debug a customized script.

If you have customization ideas that you haven't figured out how to tackle, we're happy to be a sounding board for Alchemer features and functionality ideas that might meet your needs.

Beyond this, check out our [Professional Services](#); these folks have the scripting chops to help you to achieve what you are looking for!

Related Articles