

How to split text to a row using appscript?

Asked 9 months ago Modified 9 months ago Viewed 171 times



I made a daily student attendance app using Kodular and a spreadsheet as a database. I connected the kodular to a spreadsheet using Appscript. The app worked well, but since I'm a newbie in app script I can only send the data to a spreadsheet as shown below

OUTPUT FROM THE ATTENDANCE APP:					
Timestamp	User	Tanggal	Kelas	Nama Siswa	Keterangan
17/03/2024 02:51:51 PM,17/03/2024 02:51:51 PM,17/03/2024 02:51:51 PM,17/03/2024 02:51:51 PM	Mr. Adam,Mr. Adam,Mr. Adam,Mr. Adam	17/3/2024,17/3/2024,17/3/2024,17/3/2024	5 Thoriq Bin Ziyad,5 Thoriq Bin Ziyad,5 Thoriq Bin Ziyad,5 Thoriq Bin Ziyad	Abyan Nabil Muhamad,Ahmad Hasan Habibie,Akhtar Abrizam Hidayat,Aliffiandra Nizam Sammi Hudi	Sakit,Izin,Tanpa keterangan,Tanpa keterangan
17/03/2024 03:09:07 PM,17/03/2024 03:09:07 PM,17/03/2024 03:09:07 PM,17/03/2024 03:09:07 PM,17/03/2024 03:09:07 PM	Mr. Adam,Mr. Adam,Mr. Adam,Mr. Adam,Mr. Adam	17/3/2024,17/3/2024,17/3/2024,17/3/2024,17/3/2024	5 Thoriq Bin Ziyad,5 Thoriq Bin Ziyad,5 Thoriq Bin Ziyad,5 Thoriq Bin Ziyad,5 Thoriq Bin Ziyad	Abyan Nabil Muhamad,Ahmad Hasan Habibie,Aliffiandra Nizam Sammi Hudi,Althaf Yazid Nugrahaputra,Arsakha Ziqri Suryanata	Tanpa keterangan,Sakit,Izin,Tanpa keterangan,Tanpa keterangan
17/3/2024	Mr. Adam	17/3/2024	5 Thoriq Bin Ziyad	-	-

I need help splitting the text using commas as delimiters into a row. Here's my expectation:

EXPECTED RESULT					
Timestamp	User	Tanggal	Kelas	Nama Siswa	Keterangan
17/03/2024 02:51:51 PM	Mr. Adam	17/3/2024	5 Thoriq Bin Ziyad	Abyan Nabil Muhamad	Sakit
17/03/2024 02:51:51 PM	Mr. Adam	17/3/2024	5 Thoriq Bin Ziyad	Ahmad Hasan Habibie	Izin
17/03/2024 03:09:07 PM	Mr. Adam	17/3/2024	5 Thoriq Bin Ziyad	Abyan Nabil Muhamad	Tanpa keterangan
17/03/2024 03:09:07 PM	Mr. Adam	17/3/2024	5 Thoriq Bin Ziyad	Ahmad Hasan Habibie	Sakit
17/03/2024 03:09:07 PM	Mr. Adam	17/3/2024	5 Thoriq Bin Ziyad	Akhtar Abrizam Hidayat	Izin
17/3/2024	Mr. Adam	17/3/2024	5 Thoriq Bin Ziyad	-	-

here's the function I use to call the data from the app, I'm still a newbie and I just know basic functions like this

```
function doPost(e) {
  return ceksheet(e);
}

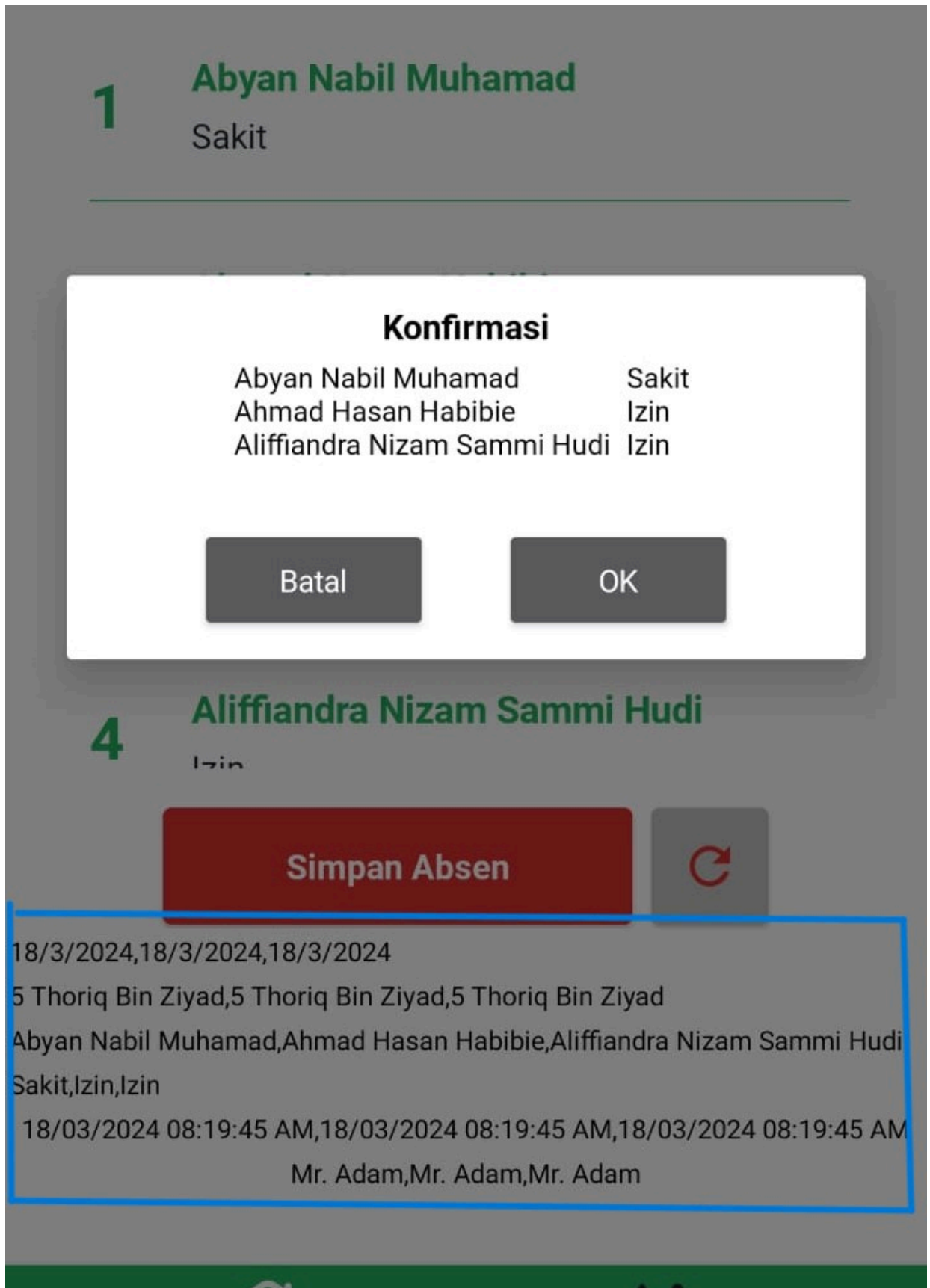
function ceksheet(e){
  var ss = SpreadsheetApp.getActive();
  var sh = ss.getSheetByName(e.parameter.SH);

  //CREATE
  if (e.parameter.func == "Create") {
    var ts = e.parameter.TIMESTAMP;
    var user = e.parameter.USER;
    var tgl = e.parameter.TANGGAL;
    var kls = e.parameter.KELAS;
    var nama = e.parameter.NAMA;
    var ket = e.parameter.KETERANGAN;
    var data = false;
    var lr = sh.getLastRow();
    for(var i=1;i<=lr;i++){
      var data_ts = sh.getRange(i, 1).getValue();
      if(data_ts==ts){
```

```
        data=true;
    }
}
if (data){
    var result= "ID Sudah ada";
}else{
    var rowData = sh.appendRow([ts,user,tgl,kls,nama,ket]);
    var result="Berhasil Input";
}
return
ContentService.createTextOutput(result).setMimeType(ContentService.MimeType.TEXT);
}
```



FYI, here's the image of the app



As you can see in the blue box, I intended to compile the data as one label per component (timestamp in one label, name in one label, etc) as I planned to split it using appscript, It's just not resolved yet. Kindly need your help to resolve this problem...

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asked Mar 17 at 23:07

**Mr Irsan**

11 ● 1

Please [edit](#) to include your existing code so far. As it stands it isn't clear what you are having a problem with. Please review [How to ask a good question](#) and take the [site tour](#). – [Blindspots](#) Mar 17 at 23:49

Is this question closed or reopened? can someone still answer my question? I am sorry since I new in this community, still confuse but I still need an answer :(– [Mr Irsan](#) Mar 18 at 6:07

Thanks for updating. 🙌 This looks to be a better fit at [Stack Overflow](#). I'll migrate it over. – [Blindspots](#) Mar 18 at 12:54

Please [edit](#) your question to clarify exactly what you are trying to do. There are different pieces. It is best to simplify to something like: "I get this `[example]`, but I want want `[desired example]`". Is the problem with the data or the apps script or getting it into sheets? See [Minimal Reproducible Example](#) More clarity will make it easier for others to engage and help you. – [Blindspots](#) Mar 18 at 14:06 ✎

Can you add an example of the data the app sends to `doPost`? – [Lewis Rodgers](#) Mar 18 at 15:34 ✎

2 Answers

Sorted by: Highest score (default)



To split those comma-delimited values into rows, and build a 2D array of the results, use `Array.forEach()`, like this:

0



```
function ceksheet(e) {
  if (e.parameter.func !== 'Create') return;
  const ss = SpreadsheetApp.getActive();
  const sheet = ss.getSheetByName(e.parameter.SH);
  if (!sheet) throw new Error(`Cannot find sheet '${e.parameter.SH}'.`);
  let result = 'ID Sudah ada';
  const keys = sheet.getRange('A1:A').getValues().flat();
  if (!keys.includes(e.parameter.TIMESTAMP)) {
    const rowData = [];
    ['TIMESTAMP', 'USER', 'TANGGAL', 'KELAS', 'NAMA', 'KETERANGAN',]
      .map(field => e.parameter[field])
      .forEach((delimited, columnIndex) =>
        String(delimited).split(',')
          .forEach((value, rowIndex) => {
            if (!rowData[rowIndex]) rowData[rowIndex] = [];
            rowData[rowIndex][columnIndex] = value;
          })
      );
    rowData.forEach(row => sheet.appendRow(row));
    result = 'Berhasil Input';
  }
}
```

```

    }
    return
    ContentService.createTextOutput(result).setMimeType(ContentService.MimeType.TEXT)
  }

```

See [Array.forEach\(\)](#).

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answered Mar 18 at 18:44



doubleunary

17.8k ● 9 ● 33 ● 75



0



When I saw your showing script, I remember [this thread](#). When the answer in this thread is used, your script becomes as follows.

Modified script:

```

function doPost(e) {
  return ceksheet(e);
}

function ceksheet(e) {
  var ss = SpreadsheetApp.getActive();
  var sh = ss.getSheetByName(e.parameter.SH);
  if (e.parameter.func == "Create") {
    var ts = e.parameter.TIMESTAMP;
    var user = e.parameter.USER;
    var tgl = e.parameter.TANGGAL;
    var kls = e.parameter.KELAS;
    var nama = e.parameter.NAMA;
    var ket = e.parameter.KETERANGAN;

    // --- I modified the below script.
    var lr = sh.getLastRow();
    var temp = [ts, user, tgl, kls, nama, ket].map(c => c.split(",").map(d => d.trim()));
    var maxlen = Math.max(...temp.map(e => e.length));
    temp = temp.map(e => e.length < maxlen ? [...e, Array(maxlen - e.length).fill(null)] : e);
    var values = temp[0].map( (_, col) => temp.map( (row) => row[col] || null));
    var result = "ID Sudah ada";
    if (!sh.getRange("A2:A" + lr).createTextFinder(values[0][0]).findNext()) {
      sh.getRange(lr + 1, 1, values.length, values[0].length).setValues(values);
      result = "Berhasil Input";
    }
    return
    ContentService.createTextOutput(result).setMimeType(ContentService.MimeType.TEXT)
  } else {
    return
    ContentService.createTextOutput("").setMimeType(ContentService.MimeType.TEXT);
  }
}

```

```
}  
}
```

- In this modification, from your showing sample image and your for loop, I suppose that all values `TIMESTAMP` in a cell of column "A" are the same timestamp. And, in order to check the duplicate values from column "A", I used `TextFinder`. In this case, even when one of the timestamps is used, it can be searched from a single cell with multiple values.
- If you want to search the value of column "A" as one value in a cell, please modify it as follows.

- From

```
if (!sh.getRange("A2:A" + lr).createTextFinder(values[0][0]).findNext(
```

- To

```
if (!sh.getRange("A2:A" + lr).createTextFinder(values[0]  
[0]).matchEntireCell(true).findNext()) {
```

- By the way, in your script, when `e.parameter.func == "Create"` is false, no value is returned. Although I'm not sure about your actual situation, please be careful about this.

Note:

- **When you modify the Google Apps Script of Web Apps, please modify the deployment as a new version. By this, the modified script is reflected in Web Apps. Please be careful about this.**
- ◀ • You can see the details of this in my report "[Redeploying Web Apps without Changing URL of Web Apps for new IDE \(Author: me\)](#)".

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answered Mar 19 at 6:47



Tanaike

201k ● 12 ● 118 ● 208