

# How to Make an App with Databases

Module 2  
Lesson 8  
Worksheet



## Welcome!

In this worksheet, you'll continue working with the worksheet project from Lesson 6. If you didn't do that worksheet assignment, just download the solution project and use that for this worksheet.

Add your GoogleService-Info.plist to it.

You'll be working with the Quotes data from the last worksheet as well so if you've gotten rid of it, then download the WorksheetSampleData.json file (located below Lesson 6) and import it into your Firebase database.

**Note:** This will overwrite your existing database data so make sure you export your current data to a JSON file if you want to restore it later.

## Instructions:

Go to the **ViewController.swift**, the `getData()` method.

Your task will be to use the filtering methods you learned in this lesson to get the following subsets of data.

Try out all three challenges!

### Challenge 1:

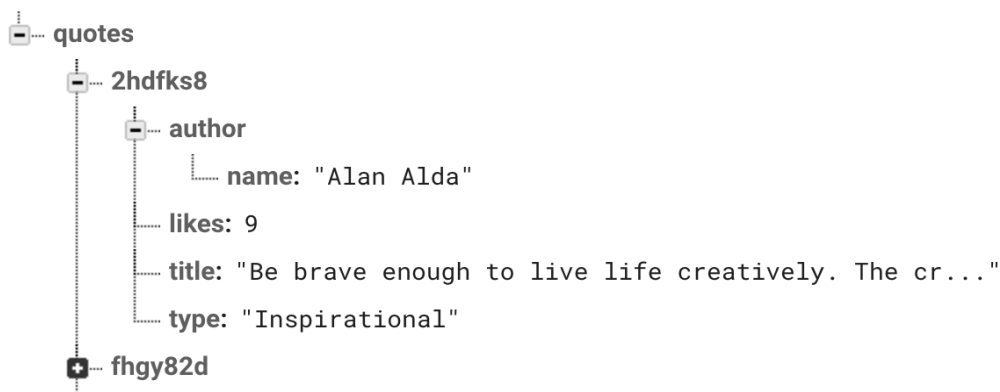
Modify the `getData` method so that you only retrieve quotes with **15 or more likes**.

### Challenge 2:

Modify the `getData` method so that you only retrieve quotes by **Benjamin Franklin**. (Hint: When ordering by child, you can specify a child several levels deep by using the path to that child. For example: "level1/level2/child")

### Challenge 3:

Modify the `getData` method so that you only retrieve quotes in the category **Inspirational**. (Each quote has a "**type**" key with this value)



**You're done!**

If you need any help with these exercises, remember to join the Students Only forum and get help anytime!

<https://facebook.com/groups/CodeWithChris>

To get the solutions, visit the lesson page.