

## Exercise 5 - Query Grouping

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### Exercise 5.a - Querying the Categories View with Grouping

We need to be able to query the `by_category` view that we created in Exercise 4.a to get all of the categories in our bucket, as well as the total number of products in each category.

1. Open `exercise5/com/example/CategoryService.cfc` in your IDE
2. Modify the `getCategories` method to query Couchbase View that you created in Exercise 4.a, this will call the CFCouchbase `query()` method with the follow arguments and options
  - `designDocumentName = "products"`
  - `viewName = "by_category"`
  - options:
    - `group = true`
3. Open the homepage (</exercise5/index.cfm>) and verify that you are seeing categories and their counts in the sidebar.

To enable grouping in the Couchbase Admin Console. Do the following:

- a. Open up the Couchbase Admin Console by going to <http://127.0.0.1:8091/> in a web browser
- b. Choose [Data Buckets](#)
- c. Click the ["Views"](#) button next to the **default** bucket
- d. Click the "Edit" button next to the view "by\_category"
- e. Click the down arrow next to "Filter Results", and check *group* from the drop down menu. (at the bottom)
- f. Click the "Show Results" button

For your reference the data from the `getCategories` method is used in the following view:

- `exercise5/view/includes/sidebar.categories.cfm`
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### Exercise 5.b - Querying the Brands View with Grouping

We need to be able to query the `by_brand` view that we created in Exercise 4.c to get all of the brands in our bucket, as well as the total number of products in each category.

1. Open `exercise5/com/example/BrandService.cfc` in your IDE

2. Modify the `getBrands` method to query Couchbase View that you created in Exercise 4.c, this will call the CFCouchbase `query()` method with the follow arguments and options

- `designDocumentName = "products"`
- `viewName = "by_brand"`
- options:
  - `group = true`

3. Open the homepage (</exercise5/index.cfm>) and verify that you are seeing brands and their counts in the sidebar.

To enable grouping in the Couchbase Admin Console. Do the following:

- a. Open up the Couchbase Admin Console by going to <http://127.0.0.1:8091/> in a web browser
- b. Choose [Data Buckets](#)
- c. Click the "[Views](#)" button next to the **default** bucket
- d. Click the "Edit" button next to the view "by\_brand"
- e. Click the down arrow next to "Filter Results", and check *group* from the drop down menu. (at the bottom)
- f. Click the "Show Results" button

For your reference the data from the `getBrands` method is used in the following view:

- `exercise5/view/includes/sidebar.brands.cfm`