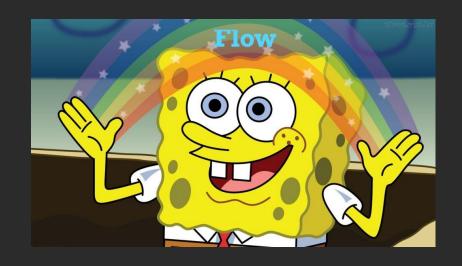


Flow Under the water



Happy to show a code using Flow...





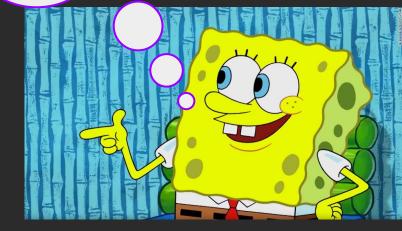
Flow… I don't have this flavor

Patrick it is not a flavor &
I will explain better

```
data class Article(
    val id: UUID,
    val title: String,
    val abstract: String,
    val authorName: String,
    val publishedAt: Date
data class Author (
    val id: UUID,
    val name: String,
    val researchArea: String,
```

I'm doing an app to show all articles we have created here in Bikini Bottom.

These are the model classes...



```
class ArticlesProducer {
   fun articles(): Flow<List<Article>> {...}
}
class AuthorProducer {
   fun authors(): Flow<List<Author>>> {...}
}
```

Creating the **producers** to fetch the information...

Producer Intermediary Consumer

```
class ArticlesIntermediary {
   private val articlesProducer = ArticlesProducer()
   private val authorsProducer = AuthorProducer()
   fun articles(): Flow<List<ArticleFullInformation>> {
       return articlesProducer.articles().combine(authorsProducer.authors()) { articles, authors →
           articles.map { article →
               ArticleFullInformation(
                   article = article,
                   author = authors.first { author → author.name = article.authorName }
```



I created an intermediary because I need the full information about the author, the API doesn't provide.

```
data class ArticleFullInformation(
class ArticlesIntermediary {
                                                                    val article: Article
                                                                    val author: Author
   private val articlesProducer = ArticlesProducer()
   private val authorsProducer = AuthorProducer()
   fun articles(): Flow<List<ArticleFullInformation>>> {
       return articlesProducer.articles().combine(authorsProducer.authors()) { articles, authors →
           articles.map { article →
               ArticleFullInformation(
                  article = article,
                  author = authors.first { author → author.name = article.authorName }
```



```
class MainActivity : AppCompatActivity() {
   override fun onCreate(savedInstanceState: Bundle?) {
       super.onCreate(savedInstanceState)
       setContentView(R.layout.activity_main)
       lifecycleScope.launch { this: CoroutineScope
               ArticlesIntermediary().articles().collect { it: List<ArticleFullInformation>
                   Log.d(TAG, msg: "-----")
                   it.forEach { articleFullInfo →
                       Log.d(
                          TAG,
                           msg: "Article: " +
                                  "${articleFullInfo.article.title}\n, " +
                                  "Author: " +
                                  "${articleFullInfo.author.id} ${articleFullInfo.author.name}"
                                     Intermediary
       Producer
                                                                             Consumer
```



I had the app opened.
Squidward said you wrote a
new article, but the app
didn't show when I opened
it.



Yes, the app is not working



I will fix. Give me few seconds!



```
lifecycleScope.launch { this: CoroutineScope
   repeatOnLifecycle(Lifecycle.State.STARTED) { this: CoroutineScope
       Launch { this: CoroutineScope
           ArticlesIntermediary().articles().collect { it: List<ArticleFullInformation>
               Log.d(TAG, msg: "----")
               it.forEach { articleFullInfo →
                   Log.d(
                       TAG,
                               "${articleFullInfo.article.title}\n, " +
                               "${articleFullInfo.author.id} ${articleFullInfo.author.name}"
                                                    Restartable behavior
                                                         implemented!
```



