

# Collection For

The collection-for statement in Dart allows you to loop over a collection and output values, that will then be placed inside a new collection, while you are creating the collection in question! If you had two lists of names, and wanted to compile 1 list with all names that start with the letter B, you can use collection-for in order to iterate over both lists and put their relevant values inside the final collection.

Further reading:

- [Collection operators - dart.dev](https://dart.dev/collection-operators)
- [Iterable collections - dart.dev](https://dart.dev/collection-iterable)
- [Exploring collections in Dart - Medium](https://medium.com/@dmitrybaranovskiy/exploring-collections-in-dart-2019-01-10)
- [Dart - Collections - GeeksforGeeks](https://www.geeksforgeeks.org/dart-collections/)
- [Dart Programming - Collection - Tutorialspoint](https://www.tutorialspoint.com/dart/collection.htm)



## Examples

```
1  const names = ['Barbra', 'Bob'];
2  const otherNames = ['Foo', 'Bar', 'Baz'];
3  // in this example we have two lists of names and we
4  // want to use the collection-for statement in order to
5  // join the lists. This is just for the purpose of
6  // demonstration on how to use the collection-for statement
7  // since you can achieve the same result in other more
8  // optimal ways. We are then using the for statement right
9  // inside the collection creation code as you can see
10 final allNames = [
11     ...names,
12     for (final name in otherNames) name,
13 ];
```