

# Code Summary: Subset Pattern

To apply the Subset pattern to the documents in our bookstore app, we ran the following aggregation pipeline:

```
[
  {
    $unwind: {
      path: "$reviews"
    }
  },
  {
    $set: {
      "reviews.product_id": "$product_id"
    }
  },
  {
    $replaceRoot: {
      newRoot: "$reviews"
    }
  },
  {
    $out: "reviews"
  }
]
```

Next, we defined a clean up pipeline to ensure the reviews array in the book documents only includes three reviews:

```
{
  reviews: {
    $slice: ["$reviews", 3]
  }
}
];
```

Finally, we ran this pipeline for the books collection with the `updateMany` method:

```
db.books.updateMany({}, update_reviews_array_pipeline);
```