

UPDATING THE RESOLVE FUNCTIONS

in this GraphQL tutorial we'll go through all of our resolve functions and update them, so that now they interact with our MongoDB instance, instead of local dummy data.



```
const graphql = require('graphql');
const Book = require('../models/book');
const Author = require('../models/Author');
const _ = require('lodash');
```

```
const {
  GraphQLObjectType,
  GraphQLString,
  GraphQLSchema,
  GraphQLID,
  GraphQLInt,
  GraphQLList
} = graphql;
```

```
const BookType = new GraphQLObjectType({
  name: 'Book',
  fields: ( ) => ({
    id: { type: GraphQLID },
    name: { type: GraphQLString },
    genre: { type: GraphQLString },
    author: {
      type: AuthorType,
      resolve(parent, args){
        return Author.findById(parent.authorId);
      }
    }
  })
});
...
```

Modify
code



```
const graphql = require('graphql');
const Book = require('../models/book');
const Author = require('../models/Author');
const _ = require('lodash');

const {
  GraphQLObjectType,
  GraphQLString,
  GraphQLSchema,
  GraphQLID,
  GraphQLInt,
  GraphQLList
} = graphql;

const BookType = new GraphQLObjectType({...});

const AuthorType = new GraphQLObjectType({
  name: 'Author',
  fields: ( ) => ({
    id: { type: GraphQLID },
    name: { type: GraphQLString },
    age: { type: GraphQLInt },
    books: {
      type: new GraphQLList(BookType),
      resolve(parent, args){
        return Book.find({ authorId: parent.id });
      }
    }
  })
});
...

```

Modify
code



...

```
const RootQuery = new GraphQLObjectType({
  name: 'RootQueryType',
  fields: {
    book: {
      type: BookType,
      args: { id: { type: GraphQLID } },
      resolve(parent, args){
        return Book.findById(args.id);
      },
    },
    author: {
      type: AuthorType,
      args: { id: { type: GraphQLID } },
      resolve(parent, args){
        return Author.findById(args.id);
      },
    },
    books: {
      type: new GraphQLList(BookType),
      resolve(parent, args){
        return Book.find({});
      },
    },
    authors: {
      type: new GraphQLList(AuthorType),
      resolve(parent, args){
        return Author.find({});
      },
    },
  },
});
```

...

Modify
code

