

TYPE RELATIONS

In this GraphQL tutorial I'll show you how we can form relations between our GraphQL Object Types so that we can query (or nest) related data. For example, so that we could query a book and ask for it's author.



...

// dummy data

```
var books = [  
  { name: 'Name of the Wind', genre: 'Fantasy', id: '1', authorId: '1' },  
  { name: 'The Final Empire', genre: 'Fantasy', id: '2', authorId: '2' },  
  { name: 'The Long Earth', genre: 'Sci-Fi', id: '3', authorId: '3' },  
];
```

```
var authors = [  
  { name: 'Patrick Rothfuss', age: 44, id: '1' },  
  { name: 'Brandon Sanderson', age: 42, id: '2' },  
  { name: 'Terry Pratchett', age: 66, id: '3' }  
];
```

Modify
code


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

Insert
code

...

Go to <http://localhost:4000/graphql>

GraphiQL



Prettify

Merge

Copy

History

```
1 {
2   book(id: 2){
3     name
4     genre
5     author{
6       name
7     }
8   }
9 }
```

```
{
  "data": {
    "book": {
      "name": "The Final Empire",
      "genre": "Fantasy",
      "author": {
        "name": "Brandon Sanderson"
      }
    }
  }
}
```

< RootQueryType

Book

×

🔍 Search Book...

No Description

FIELDS

id: ID

name: String


genre: String

author: Author

QUERY VARIABLES

Go to <http://localhost:4000/graphql>

GraphiQL



Prettify

Merge

Copy

History

```
1 {
2   book(id: 2){
3     name
4     genre
5     author{
6       name
7       age
8       id
9     }
10  }
11 }
```

```
{
  "data": {
    "book": {
      "name": "The Final Empire",
      "genre": "Fantasy",
      "author": {
        "name": "Brandon Sanderson",
        "age": 42,
        "id": "2"
      }
    }
  }
}
```

QUERY VARIABLES

< RootQueryType

Book

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🔍 Search Book...

No Description

FIELDS

id: ID

name: String

genre: String

author: Author