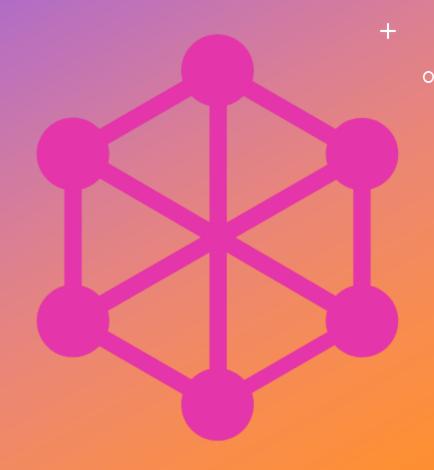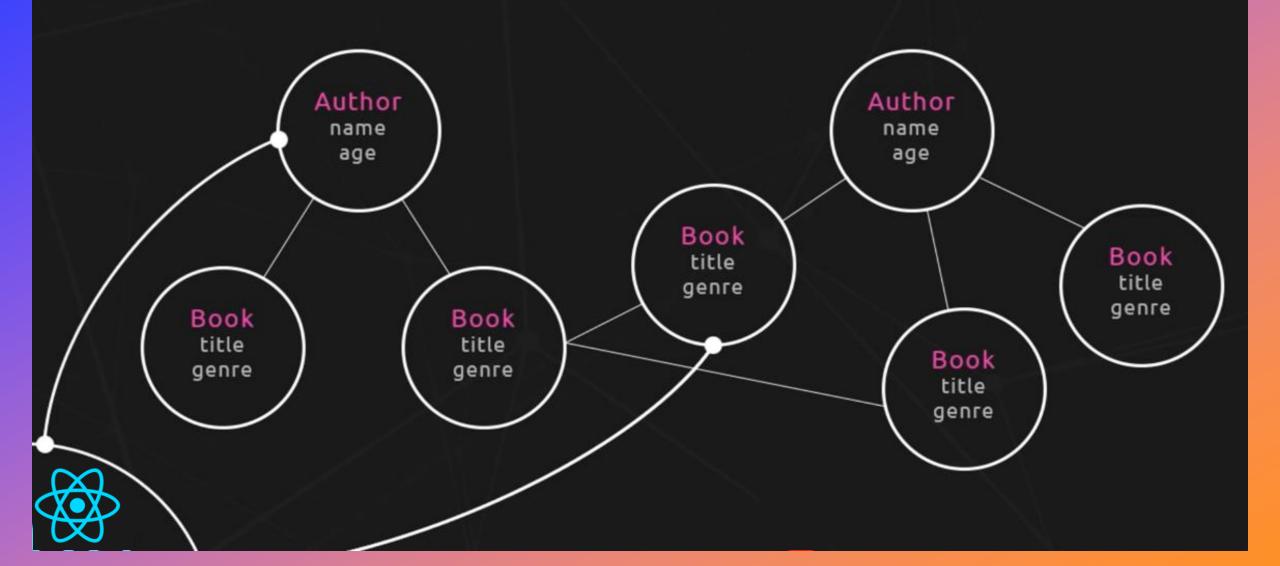# ROOT QUERY

In this GraphQL tutorial I'll go through exactly what the root query is and how we can set one up in our GraphQL schema.

Walking the Graph...

schema.js

```javascript
const graphql = require('graphql');
const { GraphQLObjectType, GraphQLString, GraphQLSchema } = graphql;

const BookType = new GraphQLObjectType({
    name: 'Book',
    fields: ( ) => ({
        id: { type: GraphQLString },
        name: { type: GraphQLString },
        genre: { type: GraphQLString }
    })
});

const RootQuery = new GraphQLObjectType({
    name: 'RootQueryType',
    fields: {
        book: {
            type: BookType,
            args: { id: { type: GraphQLString } },
            resolve(parent, args){
                // code to get data from db / other source

            }
        }
    }
});

module.exports = new GraphQLSchema({
    query: RootQuery
});
```

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code

app.js

```js
const express = require('express');
const { graphqlHTTP } = require('express-graphql');
const schema = require('./schema/schema');

const app = express();

// bind express with graphql
app.use('/graphql', graphqlHTTP({
    schema
}));

app.listen(4000, () => {
    console.log('now listening for requests on port 4000');
});
```

Insert
code