

MAKING A SINGLE QUERY

in this GraphQL tutorial I'll show you
how to make a query for a single record
in our database



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BookList.js

```
import React from "react";
import { useQuery } from "@apollo/client";
import { getBooksQuery } from '../queries/queries';
import BookDetails from './BookDetails';
```

```
function BookList() {
  const { loading, error, data } = useQuery(getBooksQuery);
```

```
  const [ selected, setSelected ] = React.useState(null);
```

```
  if (loading) return <p>Loading...</p>;
  if (error) return <p>Error :( </p>;
```

```
  return (
    <div>
      <ul id="book-list">
        {data.books.map((book) => {
          return (
            <li key={book.id} onClick={() => { setSelected(book.id) }}>
              {book.name}
            </li>
          );
        })}
      </ul>
      {selected ? <BookDetails bookId={selected} /> : <div>No book selected...</div>}
    </div>
  );
}
```

```
export default BookList;
```

Insert
code



queries.js

```
import { gql } from "@apollo/client";
```

```
...
```

```
const getBookQuery = gql`  
  query GetBook($id: ID){  
    book(id: $id) {  
      id  
      name  
      genre  
      author {  
        id  
        name  
        age  
        books {  
          name  
          id  
        }  
      }  
    }  
  }  
`;  
;
```

Modify
code

```
export { getAuthorsQuery, getBooksQuery, addBookMutation, getBookQuery };
```

```
import React from "react";
import { useQuery } from "@apollo/client";
import { getBookQuery } from '../queries/queries';
```

BooksDetails.js

```
const BookDetails = ({ bookId }) => {
  const { loading, data } = useQuery(getBookQuery, {
    variables: { id: bookId }
  });
  let display;
  if (loading) {
    display = <div>loading</div>;
  } else {
    const { book } = data;
    display = (
      <div>
        <h2>{ book.name }</h2>
        <p>{ book.genre }</p>
        <p>{ book.author.name }</p>
        <p>All books by this author:</p>
        <ul className="other-books">
          { book.author.books.map(item => {
            return <li key={item.id}>{ item.name }</li>
          })}
        </ul>
      </div>
    );
  }

  return <div id="book-details">{display}</div>;
};

export default BookDetails;
```

Modify
code



My Reading List

- Name of the Wind
- The Final Empire
- The Long Earth
- The Hero of Ages
- The Colour of Magic
- The Light Fantastic
- Hogfather

The Long Earth

Sci-Fi

Terry Pratchett

All books by this author:

- The Long Earth
- The Colour of Magic
- The Light Fantastic
- Hogfather

Book name:

Genre:

Author: ▼

