

# MAKING QUERIES FROM REACT

In this GraphQL tutorial I'll explain how we can make a query to our GraphQL server from one of our React components.



## BookList.js

```
import React from "react";
import { useQuery, gql } from "@apollo/client";

const getBooksQuery = gql`
  {
    books {
      name
      id
    }
  }
`;

function BookList() {

  const {loading, error, data} = useQuery(getBooksQuery)

  if (data) {
    console.log("data: ", data);
  }

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

  return (
    <ul id="book-list">
      <li>Book name: </li>
    </ul>
  );
}

export default BookList;
```

# Cors Setup in the 'server' part

Open new PowerShell

In the Terminal write nest command:

- `npm i cors`

app.js (server)

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

Insert  
code

```
const app = express();
```

```
app.use(cors());
```

```
mongoose.connect("mongodb+srv://marizza:demo8888@cluster0.9h62k.mongodb.net/gql")
const con = mongoose.connection
```

```
con.on('open', () => {
  console.log('connected...')
})
```

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

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

In the Terminal (server part) write next command:

- `nodemon app`

In the Terminal (client part) write next command:

- `npm start`

React App

localhost:3000

# My Reading List

- Book name:

WelcomeElementsConsole

topFilterDefault levels3

[HMR] Waiting for update signal from WDS...log.js:24

Download the Apollo DevTools for a better development experience: <https://chrome.google.com/webstore/detail/apollo-client-dev-eloper-t/jdkknkkbebbapilgoeccciglkfbmbnfm>invariant.ts:42

data:BookList.js:18

- Object 1
  - books: Array(1)
    - 0: {\_\_typename: 'Book', id: '614dd84b9e01c3cf0009db01', name: 'T...length: 1Object
    - [[Prototype]]: Array(0)
    - [[Prototype]]: Object