

# EXTERNAL QUERY FILE

in this GraphQL tutorial we'll talk about we can externalise our queries into a query file, so as not to clog up our component files.





Create folder 'queries' into the folder src

Create file 'queries.js' into the folder 'queries'

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

const getAuthorsQuery = gql`
  {
    authors {
      name
      id
    }
  }
`;

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

export { getAuthorsQuery, getBooksQuery };
```

## BookList.js

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

Insert  
code

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

Delete  
code

```
function BookList() {

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

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

  return (
    <ul id="book-list">
      {data.books.map(book => (
        <li key={book.id}>{book.name}</li>
      ))}
    </ul>
  );
}

export default BookList;
```

## AddBook.js

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

← Insert  
code

```
const getAuthorsQuery = gql`
  {
    authors {
      name
      id
    }
  }
`;
```

← Delete  
code

...

```
export default AddBook;
```