

Apollo Client / React / useQuery

```
1 const REPOS = gql`
2   query GetRepos {
3     repos {
4       id
5       name
6       author {
7         id
8         name
9       }
10    }
11  }
12 `;
13
14 function Repos() {
15   const { loading, error, data } = useQuery(REPOS);
16
17   if (loading) return <p>Loading...</p>;
18   if (error) return <p>Error :(</p>;
19
20   return (
21     <ul>
22       {data.repos.map(({ id, name, author }) => (
23         <li key={id}>
24           {name} by {author.name}
25         </li>
26       ))}
27     </ul>
28   );
29 }
```

Apollo Client / React /

useMutation

```
1 const STAR_REPO = gql`
2   mutation StarRepo($id: ID!) {
3     starRepo(id: $id) {
4       repo {
5         id
6       }
7     }
8   }
9 `;
10
11 function Repo({ id, name }) {
12   const [starRepo] = useMutation(STAR_REPO, {
13     variables: { id }
14   });
15
16   return (
17     <div>
18       {name}
19       <button onClick={starRepo}>★</button>
20     </div>
21   );
22 }
```