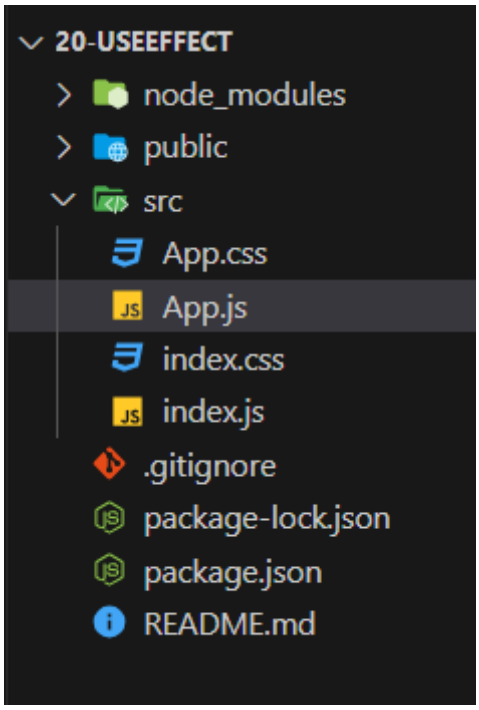
Проект по использованию fetch в компонентах

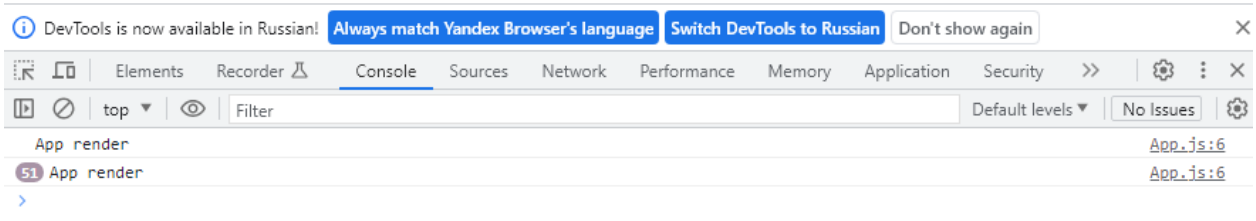



```
2   import './App.css';
3
4   function App() {
5     fetch('https://jsonplaceholder.typicode.com/todos/1')
6     .then((response) => response.json())
7     .then((json) => console.log(json));
8
9     return <div className="App"></div>;
10  }
11
12  export default App;
```

App.js

src > App.js > ...

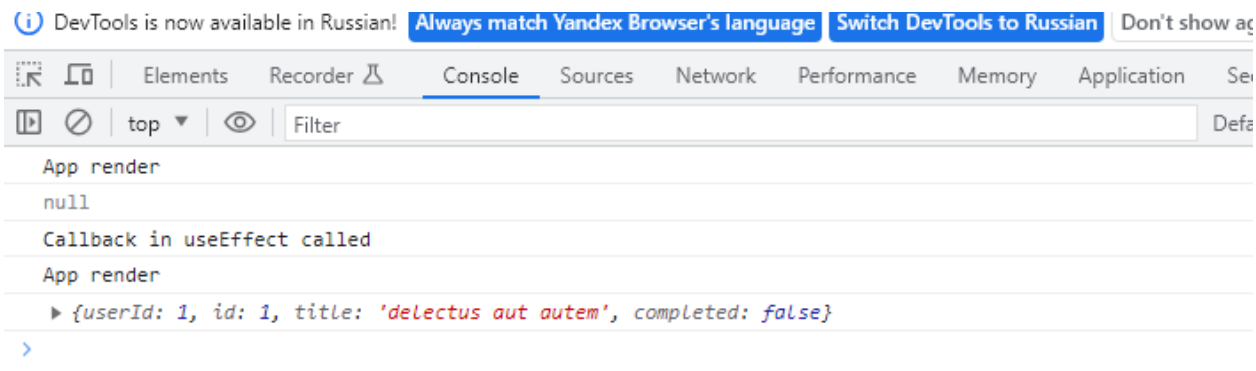
```
1  import { useState } from 'react';
2  import './App.css';
3
4  function App() {
5    const [todo, setTodo] = useState(null);
6    console.log('App render');
7
8    fetch('https://jsonplaceholder.typicode.com/todos/1')
9      .then((response) => response.json())
10     .then((json) => setTodo(json));
11
12   return <div className="App"></div>;
13 }
14
15 export default App;
16
```



App.js

src > App.js > App > useEffect() callback

```
1  import { useState } from 'react';
2  import './App.css';
3  import { useEffect } from 'react';
4
5  function App() {
6    const [todo, setTodo] = useState(null);
7    useEffect(() => {
8      console.log('Callback in useEffect called');
9      fetch('https://jsonplaceholder.typicode.com/todos/1')
10       .then((response) => response.json())
11       .then((json) => setTodo(json));
12   }, []);
13   console.log('App render');
14   console.log(todo);
15
16   return <div className="App"></div>;
17 }
18
19 export default App;
20
```



[todo] снова запустит бесконечный цикл обращений к серверу

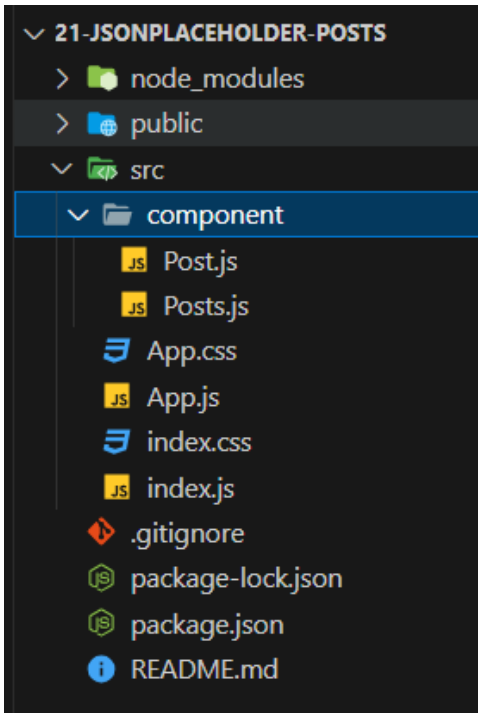
Выведем данные с удаленного сервера в интерфейс

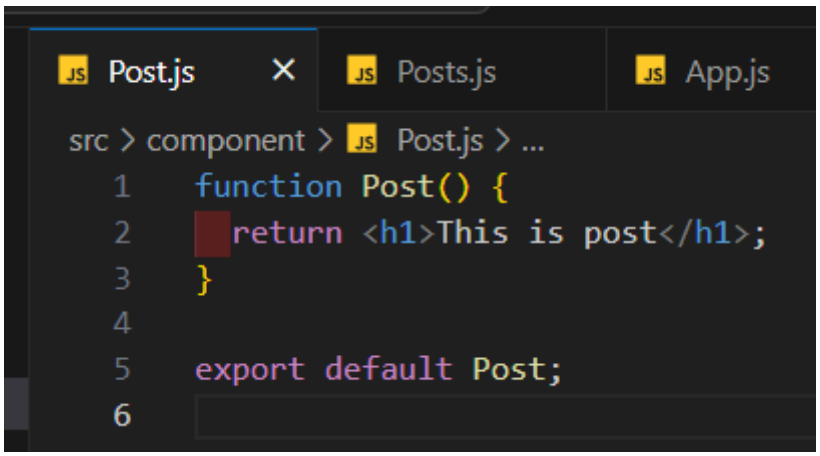
App.js

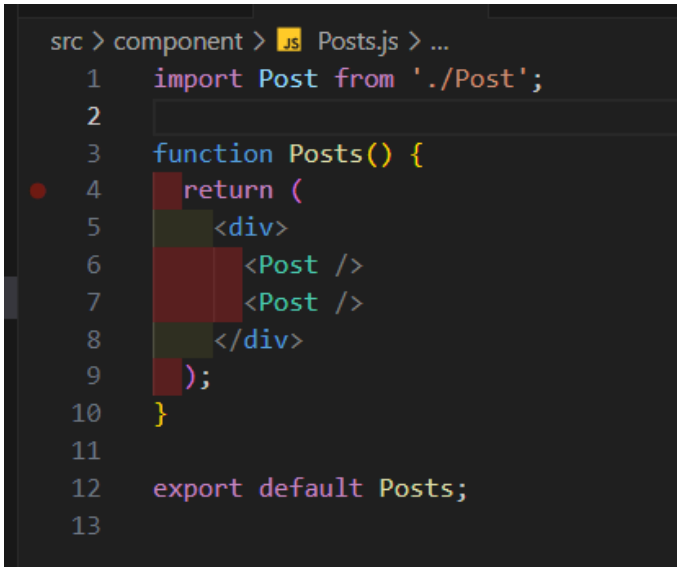
src > App.js > App > useEffect() callback

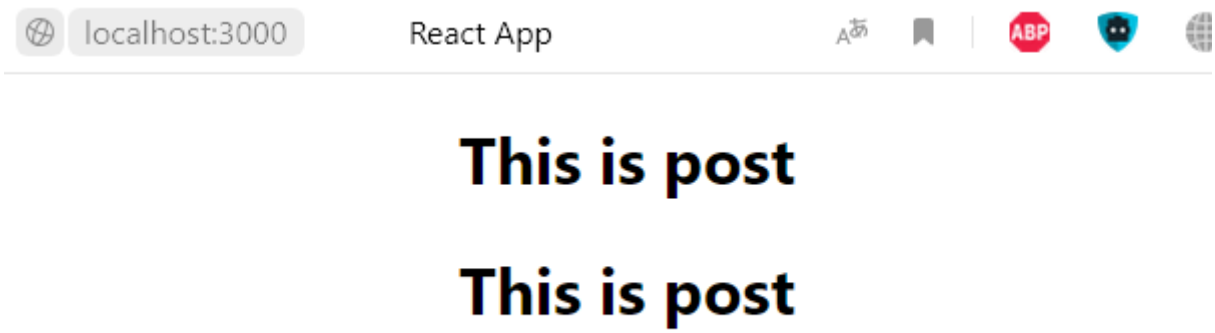
```
1  import { useState } from 'react';
2  import './App.css';
3  import { useEffect } from 'react';
4
5  function App() {
6    const [todo, setTodo] = useState(null);
7    useEffect(() => {
8      console.log('Callback in useEffect called');
9      fetch('https://jsonplaceholder.typicode.com/todos/3')
10       .then((response) => response.json())
11       .then((json) => setTodo(json));
12   }, []);
13   console.log('App render');
14   console.log(todo);
15
16   return <div className="App">{todo && <h1>{todo.title}</h1>}</
     div>;
17 }
18
19 export default App;
```

Проект с массивом постов



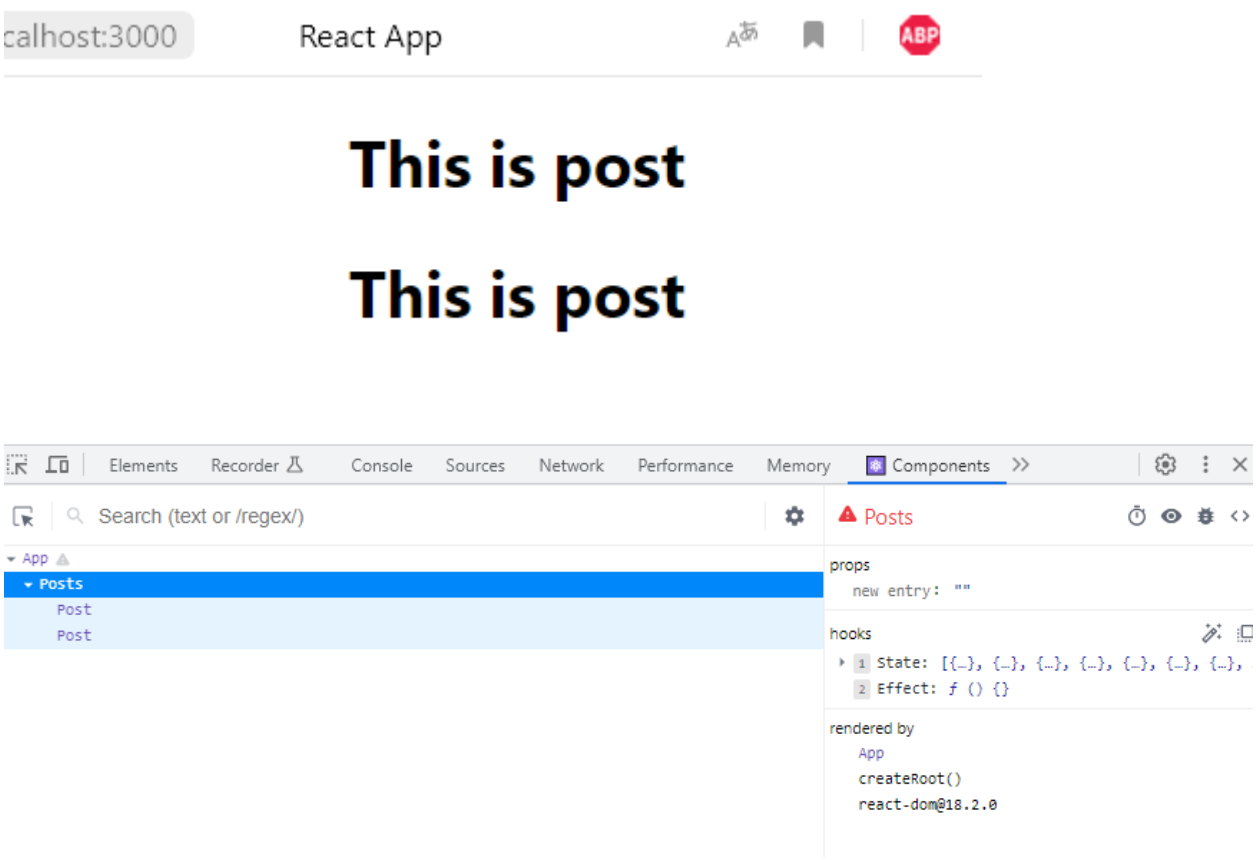






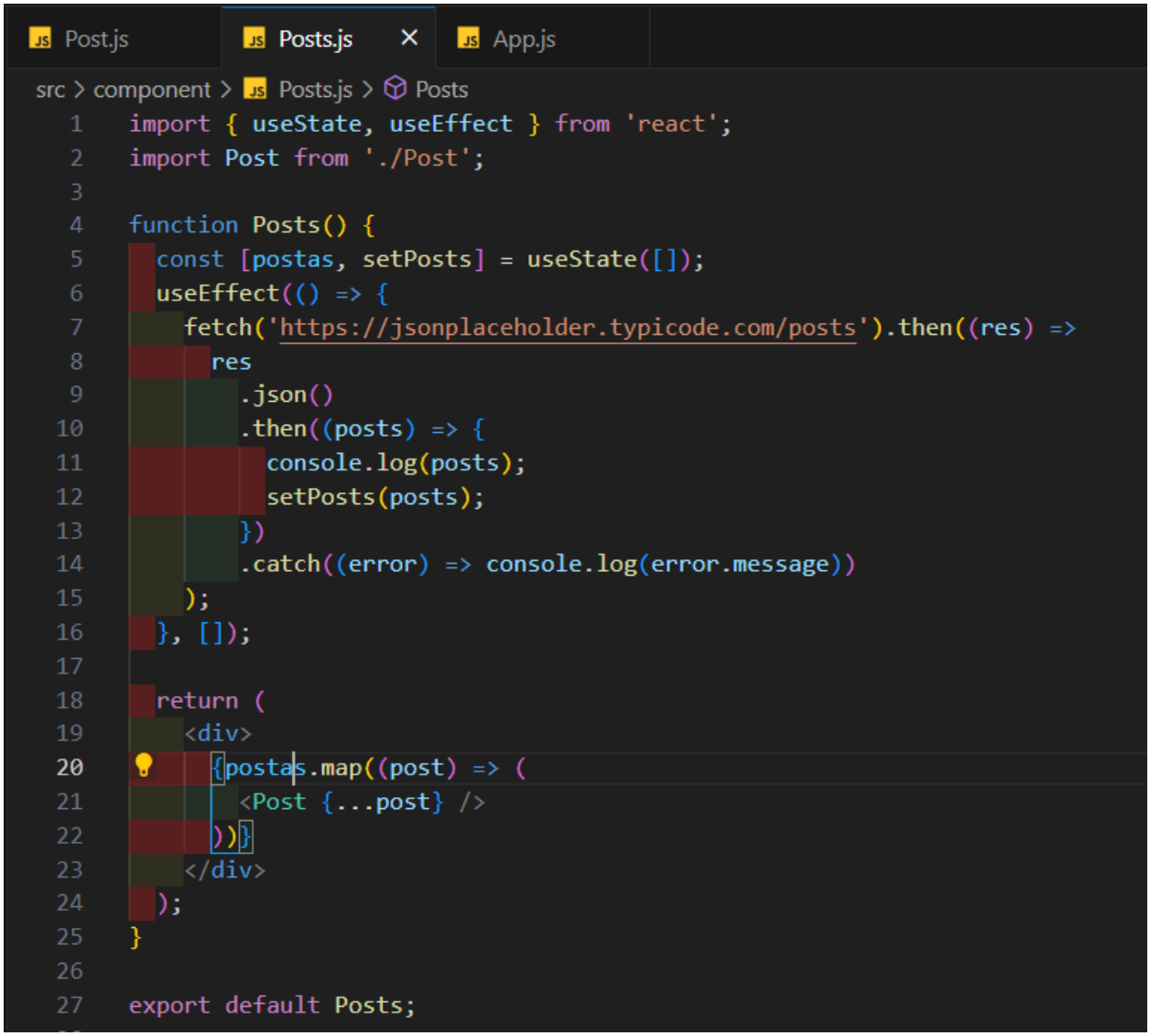
Получение массива постов через API

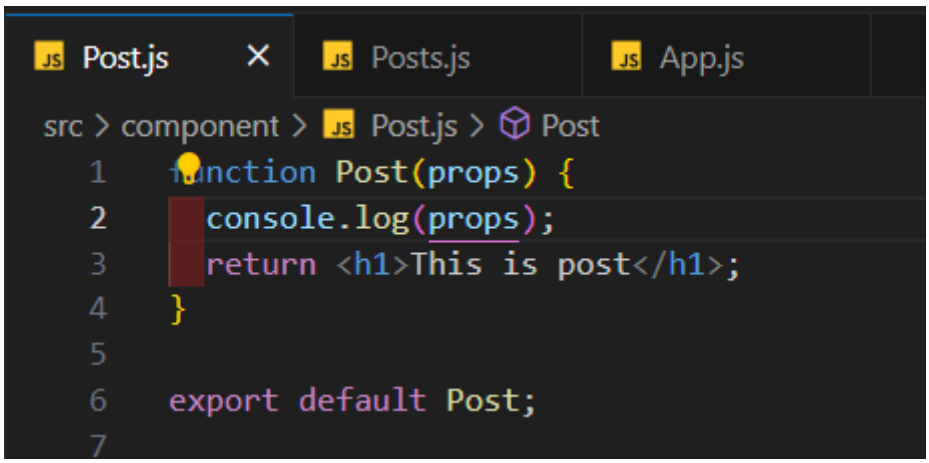
```
Post.js | Posts.js | App.js
src > component > Posts.js > Posts
1   import { useState, useEffect } from 'react';
2   import Post from './Post';
3
4   function Posts() {
5     const [postas, setPosts] = useState([]);
6     useEffect(() => {
7       fetch('https://jsonplaceholder.typicode.com/posts').then((res) =>
8         res.json().then((posts) => {
9           console.log(posts);
10          setPosts(posts);
11        })
12    );
13    }, []);
14
15    return (
16      <div>
17        <Post />
18        <Post />
19      </div>
20    );
21  }
22
23  export default Posts;
```



Самостоятельно добавить обработчик ошибок, вызвать ошибку и проверить состояние компонента Posts.

Отображение массива постов в интерфейсе





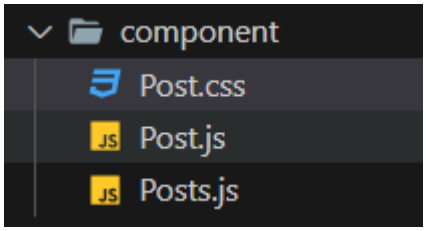
Выведем посты в видимую часть

Post.js | Posts.js | App.js

src > component > Posts.js > Posts > postas.map() callback

```
1   import { useState, useEffect } from 'react';
2   import Post from './Post';
3
4   function Posts() {
5     const [postas, setPosts] = useState([]);
6     useEffect(() => {
7       fetch('https://jsonplaceholder.typicode.com/posts').then((res) =>
8         res
9           .json()
10          .then((posts) => setPosts(posts))
11          .catch((error) => console.log(error.message))
12      );
13    }, []);
14
15    return (
16      <div>
17        {postas.map((post) => (
18          <Post key={post.id} {...post} />
19        ))}
20      </div>
21    );
22  }
23
24  export default Posts;
```

Самостоятельно в файл Post.js передать props, выполнить его деструктуризацию. Добавить стили и получить вид



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