# Async/Await with Fetch Examples (GET, POST, PUT, DELETE)

This document provides examples of using **async/await** with the **Fetch API** for performing GET, POST, PUT, and DELETE requests.

The examples use **JSONPlaceholder** (<https://jsonplaceholder.typicode.com/>), a free fake REST API for testing and prototyping.

📖 Official Guide: <https://jsonplaceholder.typicode.com/guide/>

## 1. GET Request

async function getPosts() {  
 try {  
 const response = await fetch(API\_URL);   
 if (!response.ok) throw new Error("Failed to fetch posts");  
 const data = await response.json();  
 console.log("GET →", data);  
 } catch (error) {  
 console.error("Error (GET):", error);  
 }  
}

## 2. POST Request

async function createPost() {  
 try {  
 const response = await fetch(API\_URL, {  
 method: "POST",  
 headers: { "Content-Type": "application/json" },  
 body: JSON.stringify({  
 title: "New Post",  
 body: "This is the content of the post",  
 userId: 1  
 })  
 });  
 if (!response.ok) throw new Error("Failed to create post");  
 const data = await response.json();  
 console.log("POST →", data);  
 } catch (error) {  
 console.error("Error (POST):", error);  
 }  
}

## 3. PUT Request

async function updatePost(id) {  
 try {  
 const response = await fetch(`${API\_URL}/${id}`, {  
 method: "PUT",  
 headers: { "Content-Type": "application/json" },  
 body: JSON.stringify({  
 id,  
 title: "Updated Post",  
 body: "Updated content here",  
 userId: 1  
 })  
 });  
 if (!response.ok) throw new Error("Failed to update post");  
 const data = await response.json();  
 console.log("PUT →", data);  
 } catch (error) {  
 console.error("Error (PUT):", error);  
 }  
}

## 4. DELETE Request

async function deletePost(id) {  
 try {  
 const response = await fetch(`${API\_URL}/${id}`, {  
 method: "DELETE"  
 });  
 if (!response.ok) throw new Error("Failed to delete post");  
 console.log(`DELETE → Post ${id} deleted successfully`);  
 } catch (error) {  
 console.error("Error (DELETE):", error);  
 }  
}